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Department of Agriculture

LIVINGSTON'S Wholesale List

1891



1891

— * — FOR — * —
MARKET GARDENERS

— — — — —
A. W. LIVINGSTON'S SONS,
Seed Growers and Merchants.

114 North High Street,

Columbus, Ohio.



O those customers and friends who have extended to us so liberal a patronage, and made it possible for us to build up a large and successful business, we owe MANY THANKS.

Fifty years experience with competent heads of departments, who, by the way, have been with us many years, larger and better facilities and the highest credit, places us in such a position that we can handle promptly and carefully the largest orders and guarantee satisfaction:

In soliciting further favors from old customers, and also orders from new ones, we assure all that our aim is to supply the best seeds at the lowest possible prices. The difference between using GOOD SEEDS and POOR SEEDS amounts to more in HARD CASH than any possible saving by buying cheap seeds. We have nothing to offer but what we believe to be honest and true stock. This, with ample facilities and fair prices, constitutes the ground upon which our business has been built.

We Make a Specialty of Market Gardeners' Seeds, and rely for continued patronage on their quality: We have made our prices as favorable as possible, although we have learned by life-long experience in MARKET GARDENING, SEED GROWING and SEED SELLING, that QUALITY is the FIRST CONSIDERATION in purchasing seeds. It has been our aim, in preparing this List, to offer none but reliable varieties, and to give reliable and intelligent descriptions of them. For fuller descriptions see our SEED ANNUAL FOR 1891, a copy of which has been mailed you.

New Varieties.—We offer this season for the first time, THE NEW STONE TOMATO, (see page 1), LIVINGSTON'S NEW MARKET MELON, (see page 2), LIVINGSTON'S PIE SQUASH, (see page 2), LIVINGSTON'S PEARL FORCING RADISH, (see page 3), and LIVINGSTON'S EVER-GREEN CUCUMBER, (see page 3).

New Seeds for Trial.—For some years we have annually distributed among our customers, seeds of new varieties for trial, prior to their introduction. We are also pleased to receive from our customers, samples for trial, of any new vegetables that are not known to the public; but we request that only such as are considered superior will be sent.

We Guarantee the safe arrival of seeds, in good condition, when our terms have been complied with. We are also responsible for the safe receipt of all remittances made by Postoffice Order, Postal Note, Registered Letter, Express Order, Bank Draft or Check. Thus, even customers in the most distant States and Territories can obtain their supplies as safely, and have their orders as carefully executed, as if they called in person at our warehouse.

We make no extra charge either for Bags, Boxes, Packing or Drayage to Depot or Express Company's office. We have sixteen Railroads and three Express Companies. Their competition makes freight and express rates very low from Columbus to all points in the United States.

ADDRESS ALL ORDERS AND INQUIRIES,

A. W. LIVINGSTON'S SONS,

SEED GROWERS AND MERCHANTS,

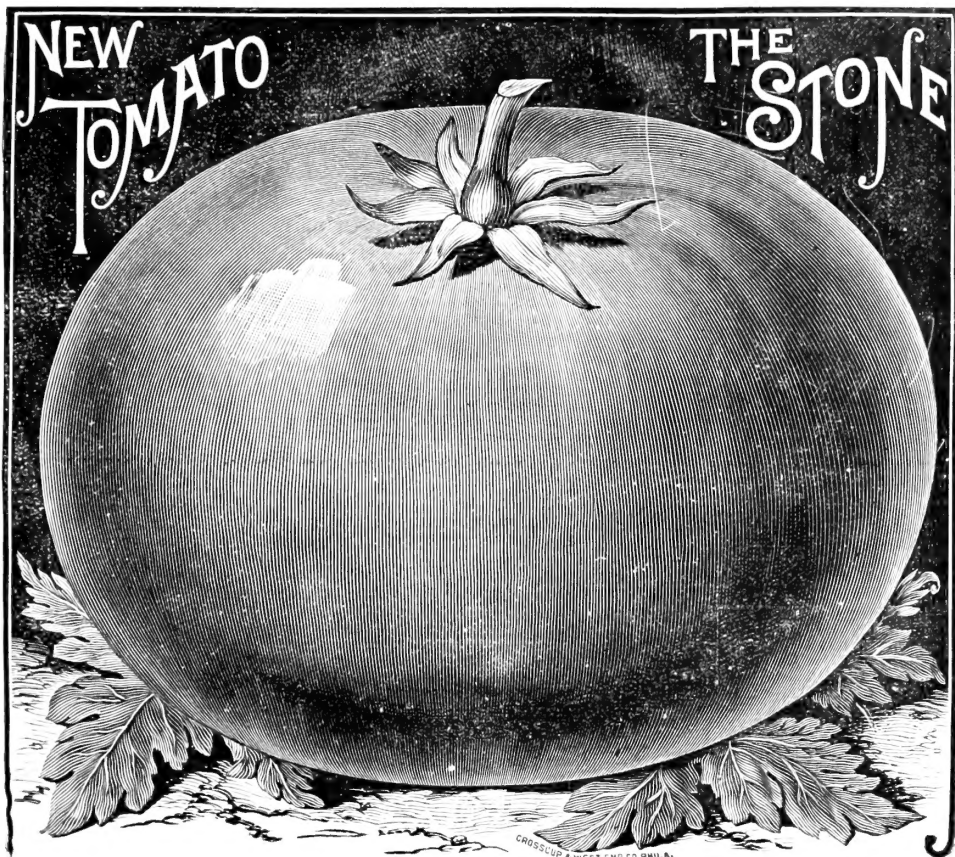
114 NORTH HIGH STREET,

COLUMBUS, O.

NEW VARIETIES FOR 1891

This is the variety for HANDLING and SHIPPING.

DON'T FAIL TO TRY IT.



LIVINGSTON'S NEW STONE TOMATO.

DESCRIPTION.

THE NEW STONE TOMATO ripens for main crop; is very large, and of bright scarlet color; very smooth, with occasionally a specimen very slightly octagon shaped; ripening evenly to the stem without a crack; exceedingly solid and firm fleshed (as its name indicates); is an excellent shipper; quality the very best; fine for canning; a good keeper; without hard core; not subject to rot; its appearance on market remarkably attractive; a heavy variety; its vines and foliage rank and robust, heavily loaded with very uniform specimens of fruit. For five years this Tomato has been subjected to the most careful testing, and we have found it to possess several superior qualities and distinct characteristics. We believe it to be the coming Tomato for market gardeners and canners. Per packet, 15 cts.; 2 packets for 25 cts.; 10 packets for \$1.00. Sold only by packet this season.

The following are a few sample reports:

Mansfield Milton,

Writing in the *Country Gentleman* of October 31st, 1889, says:—"For main crop and late variety this is probably the nearest to perfection of any tomato I ever grew. It is a large, bright scarlet variety, perfectly smooth, ripening evenly, and one of the heaviest varieties. I picked a good many which weighed a pound each, and some of them one and one-half pounds. It readily brought from 15 to 25 cents a bushel more than any other variety."

Best of All.

Under date of Nov. 30, 1889, he says: "What I said about your Stone Tomato (a very appropriate name), in *Country Gentleman* was not at all exaggerated. Out of all the varieties of tomatoes I have grown, I would select it as the best. For firmness, size and shape it stands at the head."

Will Take the Lead for Cannors and Shippers.

Mr. W. W. Carpenter says: "I have been an eater of the tomato for thirty years, and have been an experimental cultivator of all recommended varieties for twenty years. For the past two seasons I have thoroughly tested your New Stone and am free to say that for prolific bearing, weight, size, flavor, smoothness, firmness, ripening up to the stem without cracking, freedom from rot, and keeping qualities, I put it in the lead of any kind yet raised. It is coreless and so firm that it can be easily selected

from other sorts in the dark. In a word it combines all the good qualities found in the Favorite and Perfection, but being more firm, will, in my opinion, take the lead among shippers and canners."

Above All, Not Subject to Rot.

Prof. J. L. Budd, of Iowa State Agricultural College, says: "The Tomato Seed was planted in my private garden, and the fruit compared with many sorts at the Experimental Plantations. It was large enough, smooth, firm fleshed, and above all, not subject to rot. I did not see a rotten specimen, although a bad year for rot."

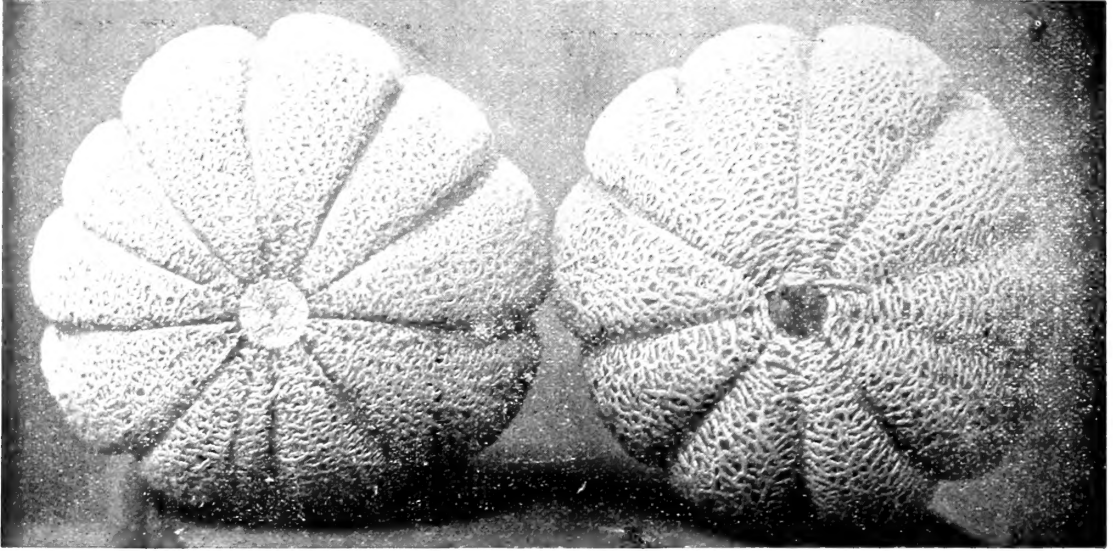
Quality Very Superior.

Prof. E. S. Goff, of Wisconsin Agricultural Experiment Station, says: "The fruit ripened at the same time as that of Livingston's Favorite. In quality it is very superior, being unusually solid. The plants were productive and the fruit was entirely smooth."

Bright, Attractive Color.

Prof. W. J. Green, of Ohio Experiment Station, writes: "The tomatoes are very large, solid, and of a bright, attractive color. In ripening it is a few days later than Perfection. The plants are robust and prolific."

A VALUABLE NEW MUSK MELON.



LIVINGSTON'S MARKET.

ONE of the largest melon growers and gardeners in Ohio has spent many years in perfecting this KING OF MARKET MELONS. Not being satisfied with any of the sorts in cultivation he set about to establish a strain that would be specially adapted to Market Gardeners' use. A most valuable and beautiful characteristic is the close, strong netting. This can be observed by examining the above illustration, which is an exact representation of an average specimen by photo-engraving. In vigorous growth it surpasses Hackensack, Montreal or any other melon with which we are acquainted. This gives it great hardiness and ability to withstand drouth, blight, bugs, etc. Its beautiful shape and handsome general appearance are remarked upon even when placed side by side on the market-bench or counter with such popular sorts as Hackensack and Montreal above mentioned. It not only ripens as soon as Hackensack, but is more prolific, bears longer and the fruit is more solid and of better flavor and quality.

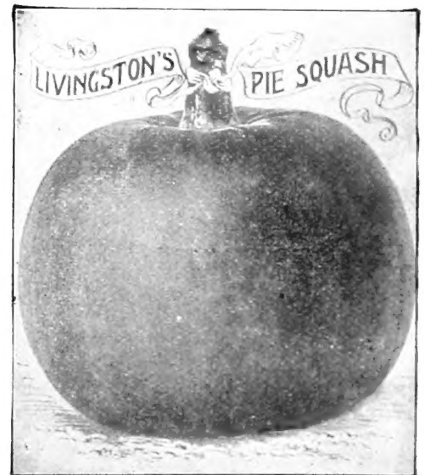
It is a green-fleshed variety with small seed cavity, and remarkably little waste next the rind. We have no hesitation in claiming it to be the best variety ever offered for Truckers and Market Gardeners.

At the following low prices for the seed, Gardeners will find it a profitable investment to plant their entire main crop of it. Packet, 10 cts.; oz., 25 cts.; $\frac{1}{2}$ lb., 75 cts.; lb., \$2.50.

MR. L. C. SMITH, a large melon grower of this county, writes as follows: "I would say in regard to the New Livingston's Market Musk Melon, that for the past season it gave me better satisfaction, and more money, than any other variety. It is a vigorous grower, with scarcely a small melon, and, more than that, it matures all melons that set. This latter quality gives it a great advantage over the old standard sorts. The melons are very attractive in appearance and nicely netted. I would highly recommend it to other gardeners as the most profitable sort in cultivation, as it is a great yielder, and always salable. It does not commence to ripen quite so early as Extra Early Hackensack, but, when it does commence, it produces much faster."

Livingston's Pie Squash.

This sort will fill a place heretofore unoccupied among Pie Squashes. Large sized varieties are not desirable in the eyes of a Market Gardener, as customers are unable to carry them away from his stand. The old standard Sweet Cheese grows too irregular in size. The *New Livingston's Pie Squash* however, is exceedingly uniform in size and shape, and just right for retailing. It has been kept in one family for a great many years and is preferred by them to any other for pies. The skin is russety and of a dark orange color, making the appearance very attractive. The flesh is very thick, making them so heavy that they appear to be perfectly solid. We believe this variety will prove very valuable to Market Gardeners, and we hope to see it generally distributed. Per pkt., 20c.; 3 pkts., 50c.; 7 pkts., \$1.00.



MR. A. LAWRENCE, OHIO, writes: "I received my seeds O. K. yesterday, (five days after mailing order.) Many thanks for your promptness, as well as for the several extras. I wish you a successful season."

MR. FRANK D. MAHAN, ILLINOIS, writes: "Please accept this, my second order, as evidence of the superior quality of your seeds in all respects. No exceptions."

MR. J. L. CASPER, FLORIDA, writes: "Your seeds are gaining favor here, and you will get large orders this fall. Will do all I can for your seeds."

MR. F. THURLEY, MARYLAND, writes: "I have been using your seeds for the four years past, and can say that your 'Beauty' Tomato can not be beat. Your other seeds are all true and fresh."

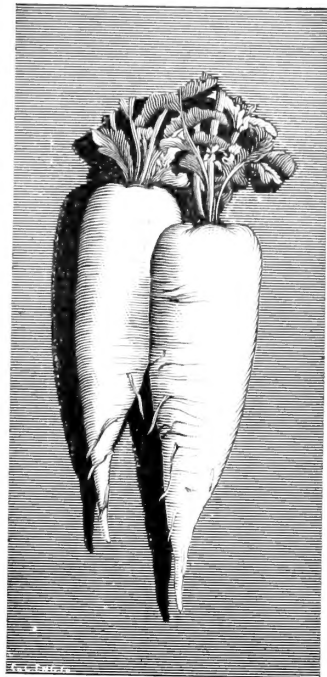
Livingston's New Pearl Forcing Radish.

Last spring, while visiting one of our customers (a large Gardener), he showed us a bed of Radishes which surpassed anything we had ever seen. After a thorough examination we bought the entire crop at a high price per 100 roots. From these we grew, on our own grounds, the seed we now offer. A few days since, we wrote him for a history of its origin and we give below a copy of his reply, to which we refer our customers for description.

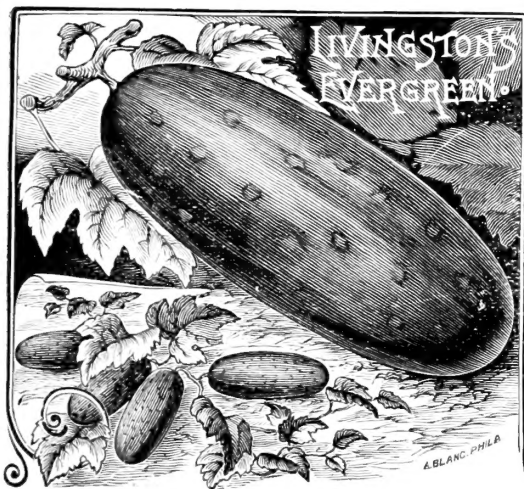
A. W. LIVINGSTON'S SONS:

GENTLEMEN—"In reply to your request, will say that the White Radish in question was of my own originating. A year previous to my discovery of it, I selected 100 each of the finest specimens of Strasburg and Wood's Early Frame, from which to grow my stock seed of them. They were taken from a cold frame the first week in May, 1887. I set these 200 Radishes out in one long row through my melon patch. It seems that I hardly left space enough between the two varieties, for they got slightly mixed. The seed I raised from the 100 Wood's Early Frame I used for forcing in the Spring of '88, and I never had finer stock than I did that season. The latter part of April I was pulling from a bed of them to fill an order for 50 dozen, when I discovered the parent of the new Radish in question. It was of a pure white color, solid, and of a waxy appearance, and in shape what I would call a half-stump-rooted variety. The more I examined it, the more attractive it was to me. I then examined two or three others I had pulled that were partially white from the mixture with Strasburg, but none of them began to come up with the pure, white, waxy appearance of the first one. I at once resolved to plant it for seed. To my great delight, I was favored with a nice sample of seed. In February, 1889, I planted a few sash to see how they would do for forcing, and anxiously waited for results. To my great surprise I found a perfect reproduction of the parent Radish. Not one failed to show the white waxy appearance. Neither was there a pithy one in the whole lot. I was very much elated over my prize, and was liberal in passing them around among my customers. After this they were wild for my White Radish. I had but few to spare, as I wanted them for seed. Last winter was my second experience with it, and I used 800 feet of glass for this variety. It came up fully to my expectation. They are one week later than Wood's Early Frame, but after they are ready for marketing they remain in eatable condition fully two weeks longer, before they show any sign of going to seed, and do not become woody. They will not bear quite so close planting as Wood's Early Frame, but their long standing after being ready for market without running to seed, or becoming woody or unfit for table use, more than makes up for wide planting. I plant in rows seven inches apart, and as close as any other variety of Radish in the row. If grown properly they have a smaller top in forcing than when grown in the open field. I conscientiously believe, all things considered, that this is the very best general purpose Market Radish in existence."

The seed is very scarce, but we will sell it as long as it lasts at 15c. per pkt., 40c. per oz., \$1.50 per $\frac{1}{4}$ lb.



LIVINGSTON'S EVERGREEN CUCUMBER (No. 35.)



Continuous Bearers.

Mr. Silas Carleton, Pomeroy, Ohio, writes, under date of Aug. 17: "I received from you last spring a free packet of Cucumber Seed marked No. 35, for which please accept my thanks. I think they are the best I ever raised. I planted them about the middle of May, and they are alive and bearing yet, after going through a drouth of about three weeks in July."

Beats Anything—Four Fruits to One.

Mr. John Waggoner, McKinney, Ky., writes: "Your sample Cucumber was planted in poor ground with the best standard sorts. It beat anything in this county. While others failed it was thrifty and bears till frost. It is a great bearer, four fruits where one is found with others."

Best We Have Ever Grown.

Mr. C. H. Huntoon, Franklin Falls, N. H., writes: "I can truthfully say that the No. 35 Cucumber is the best cucumber we have ever grown, both for market and home use."

SINCE we introduced the now famous Nichols Medium Green Cucumber, there has no sort been offered equal to it for pickling purposes. In the new LIVINGSTON'S EVERGREEN however we believe we have a superior variety in many respects. The history of this variety dates so far back that its origin is unknown. Three years ago one of our growers found it in the hands of "Grandpa Feeman" an old and experienced pickle grower of Fairfield County, this State. This is the same county in which we discovered our Nichol's Medium Green, which was at once accepted by picklers as a great ways in advance of anything then known. The New Livingston's Evergreen possesses every qualification of a perfect pickle sort. Last spring we sent out for trial several thousand packets of it labeled No. 35. It not only proved to be a great cropper as regards cucumbers and pickles but yielded us an astonishingly large crop of testimonials. A few of the latter are published below and to them we refer our friends for an exhibit of the merits of this remarkable new sort.

Very Prolific and Good Quality.

Mr. Alfred Laxton, Cambria, Mich., writes: "No. 35 Cucumber is a very prolific kind. They grow small and make a good pickling sort. They were planted late, but I think they would be early if planted early. They are very nice eating cucumbers."

Ready in 25 Days Without Special Care.

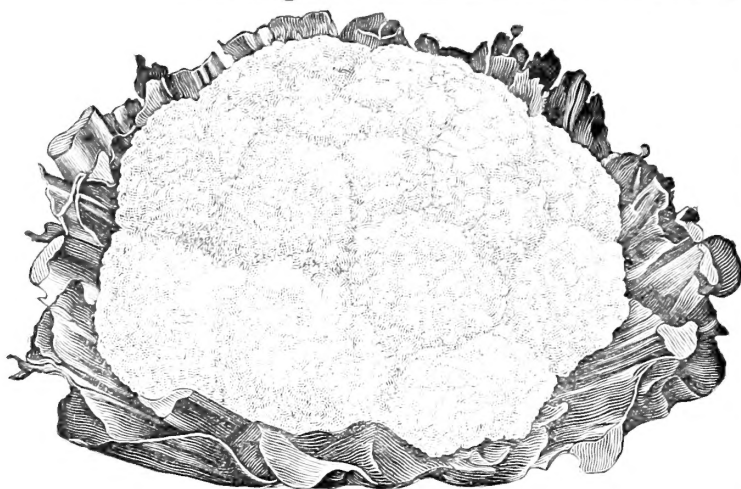
Mr. F. E. Gusman, Lancaster, Ohio, writes: "The Cucumber No. 35 you sent me last spring on trial was very nice indeed, equal to the best in flavor, bearing firm, crisp fruit, remaining in bearing condition longer than Early Cluster. Planted the 13th of May, and gathered the first for table use on July 9th, and did not receive any special care."

Strong Grower and Withstands Drouth.

Mr. W. S. Pardee, Allegan, Mich., writes: "Last spring you sent me a paper of No. 35 Cucumber for trial and in reporting them will say, they are a strong growing variety. In quality as good as I ever saw. Excellent for slicing for table use, and for pickling. Although drouth has been very severe here, they have proved to be very prolific and early. Altogether it is a splendid variety, and well worth a place in the Catalogue."

From the above it is evident that the Trucker or Market Gardener can make no mistake in planting largely of it. Per packet, 10 cts.; ounce, 25 cts.; $\frac{1}{4}$ pound, 75 cts.; pound, \$2.50.

Livingston's Earliest Dwarf Cauliflower.



Best of all for forcing, a compact grower, extremely early, sure heading; heads large, solid, and "white as snow." Gardeners who have tested this fine stock prefer it to any other and pronounce it the most profitable variety for forcing under glass and equal to any for late planting. In short, it is an excellent *all seasons Cauliflower*. Lb., \$50.00; $\frac{1}{4}$ lb., \$14.00; oz., \$4.00; $\frac{1}{2}$ oz., \$2.25; $\frac{1}{4}$ oz., \$1.25; pkt., 25 cts.

"I send you sample heads of different Cauliflowers grown from seeds procured of you. I never grew better in England or this country, and find LIVINGSTON'S EARLIEST DWARF equal to any for forcing, not excepting the well-known Snowball, with heads a fraction larger."—J. W. PULLINGER, *Gardener for the Insane Asylum*.

CIRCLEVILLE, O., May 21, 1890.—You have got hold of one of the finest Cauliflowers I have ever seen; *large, smooth, close, white and tender*."—O. E. NILES.

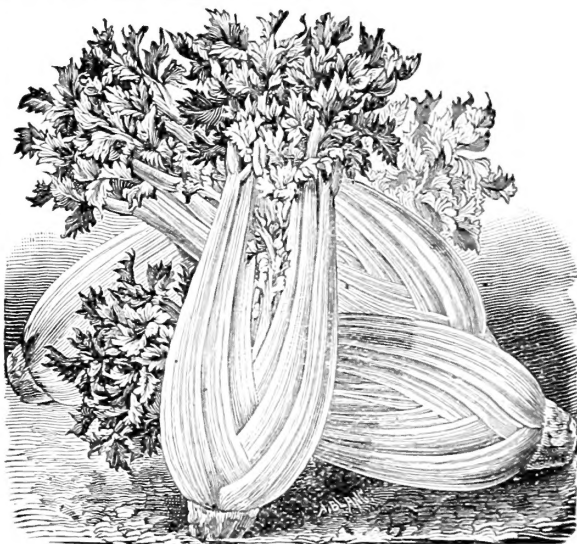
Genuine Early Snowball Cauliflower.

This is a very popular variety, and justly so, although Livingston's Earliest Dwarf certainly surpasses it. There is much inferior seed of the Snowball sold, but our stock cannot be excelled by any other strain of it for earliness, large size, uniform shape and compact growth. We have taken great pains to procure the very best. $\frac{1}{4}$ lb., \$10.00; oz., \$2.75; $\frac{1}{2}$ oz., \$1.75; $\frac{1}{4}$ oz., 75 cts.; pkt., 20 cts.

IMPROVED WHITE PLUME CELERY.

On account of the ease with which this variety is cultivated, it has now become the leading sort for market. It requires very little earthing up to blanch it, and is a very quick growing variety. It is specially valuable for fall and early winter markets, as it is probably the earliest sort in cultivation. In addition to the above qualities, its remarkably handsome appearance should be mentioned, as it is really an ornament for the table. It is now so well known that further description is unnecessary. We wish to say, however, that as the White Plume is a sport from a green sort, it will soon fall back to its original state unless great care is taken in selecting seed stocks. With this in mind, our grower has never allowed a single stock to be planted if it showed the least signs of degeneracy. This extra care is very expensive, and we cannot offer our seed as low as some others do, although we have, we think, made the price very reasonable. 2 lbs., \$5.00; lb., \$2.75; $\frac{1}{4}$ lb., 75 cts.; oz., 25 cts.

Mr. WM. DOVE, Adrian, Mich., writes: "The White Plume Celery Seed I bought of you last spring has produced one of the finest crops that ever man put eyes on, large and stalky. It is the best I ever raised. It is called for, far and near, and all seem to want it. It has averaged from 125 to 130 lbs. to 10 dozen stalks in a thin box that would weigh from 6 to 8 lbs., for three months, and still doing it at present. I hold Adrian Market in spite of whatever figures they choose to make. I still advise all to buy of you."



IMPROVED WHITE PLUME CELERY.

New Golden Self-Blanching Celery.

Cannot be too highly recommended. The beautiful appearance of the plant, with its close habit, compact growth, and straight, vigorous stalks, is more attractive than any other sort. The ribs are perfectly solid, crisp, brittle, and of delicious flavor, surpassed by no other variety, while it has the decided merit of being self-blanching to a very remarkable degree. Without banking up or any covering whatever, even the outer ribs become of a handsome, fresh yellowish-white color. The heart is large, solid, and of a beautiful, rich, golden-yellow color. The leaves are of a beautiful golden-yellow after the plant has been bleached, which adds greatly to its handsome appearance when prepared for the table. Lb., \$3.00; $\frac{1}{4}$ lb., 85 cts.; oz., 30 cts.; pkt., 10 cts.

NEW GIANT PASCAL CELERY.

This fine variety is a selection from the Golden Self Blanching, and seems to be a very great improvement in size and keeping qualities. It has a fine, nutty flavor which is not marred by any bitter taste. Its height is about two feet. The stalks are very broad, thick and heavy, and being entirely stringless, there are few varieties so crisp and tender. The ease with which it is bleached is remarkable, as only earth enough to hold it in an upright position is required, and in five or six days it is ready for use. For mid-winter and early spring it cannot be excelled. Lb., \$3.50; $\frac{1}{4}$ lb., \$1.00; oz., 35 cts.; pkt., 10 cts.

MR. B. SUTTON, Candler, Fla., says:—"I must say that the Celery seed which I got from you some time ago is the finest seed I ever saw. I have now the finest stand of plants I ever had. I have no trouble in raising Celery here the year round if I can only succeed in getting the plants, and with such seed as yours I can get the plants."

Varieties of Special Merit.

Livingston's New Gold Coin Sweet Corn.

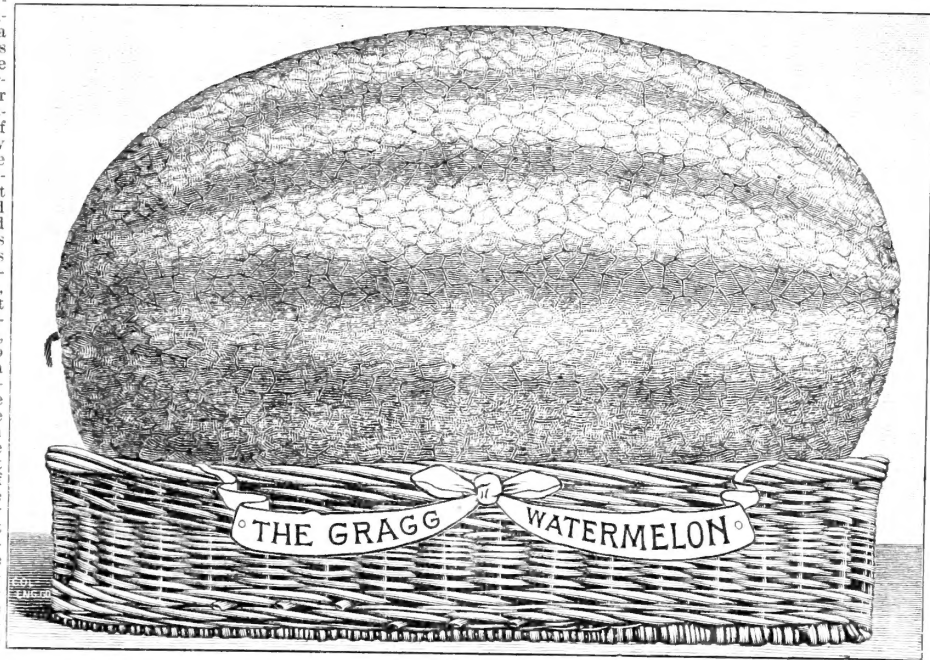


THIS grand new Sweet Corn, of which we were the original introducers; has given great satisfaction, and has been pronounced the sweetest and best flavored corn in existence. We copy the following from our original description. We have never seen a corn that will approach it in evergreen properties and its yield is simply immense. If the weather is at all favorable, the great bulk of the crop can be gathered at any time during a period of four weeks, and be found in fit condition for table use. It almost always yields two and sometimes three mammoth ears to the stalk. The cob is snowy white, compactly covered with large and

very long grains. It is not an old variety under a new name, but is remarkably distinct and handsome in appearance. It has no rival in sweetness and delicacy of flavor. Judging from the favorable reports and inquiries arriving daily, it is bound to have another great run the coming season. Packet, 10 cts.; quart, 20 cts.; peck, \$1.00; bushel, \$3.50.

LIVINGSTON'S NEW GRAGG WATERMELON.

THE illustration given herewith is engraved from a photograph, and shows accurately the shape of the Gragg Watermelon. Some three or four years since a customer in the State of Texas sent us a few seeds for trial. Where ever grown it has called forth the highest praise for its unexcelled quality, its new and distinct appearance, its earliness, its hardness and great productiveness. It is very juicy, sweet and melting. It has, moreover a peculiarly rich flavor, which is found in no other melon with which we are acquainted. They continue good throughout the season; melons from the same field were tested at different times for a period of five weeks, and the quality was uniformly superior. It is distinct in both outside and inside appearance. The latter is a delicate salmon tint which is exceedingly handsome and tempting. In outside appearance we have never seen anything like it. The color is dark green, with alternate stripes of a lighter green; the whole being covered with a delicate tracing of dark veins, giving the fruit a peculiar and handsome appearance.



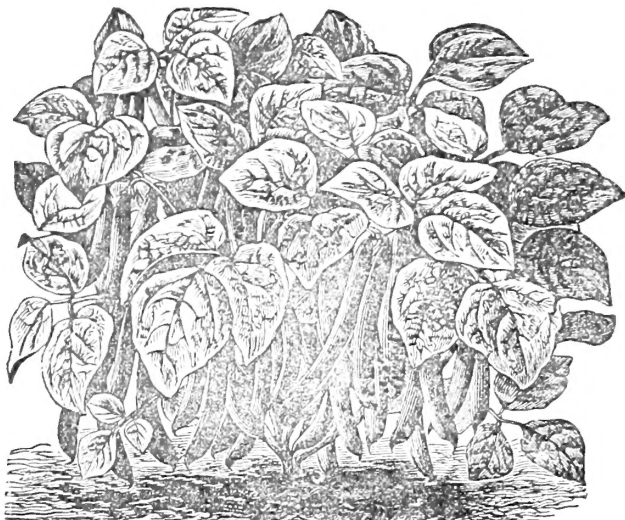
PRICE—Pkt., 5 cts.; oz., 15 cts.; 1/4 lb., 40 cts.; lb., \$1.50.

LEVI JORDAN, Mt. Carmel, Ill., says: "I was much pleased with Gold Coin Sweet Corn. It is just the corn for us Market Gardeners."

F. P. QUINBY, New York City, says: "Have planted nothing but Gold Coin Sweet Corn for late. It is the best late Sweet Corn I have ever seen."

MR. J. M. HOGUE, Penn., writes: "No seeds so reliable as those we get from you. Only missed using them one spring for the last fifteen years, and that year all our garden was a failure."

Livingston's Round Pod Six Weeks Bean.



LIVINGSTON'S ROUND POD SIX WEEKS BEAN.

THIS variety is, we believe, the best green podded snap Bean on the list. It is not only extra early, but is a good, strong grower and an abundant cropper. There is no green podded sort that can approach it in freedom from strings. It will be a favorite with Market Gardeners because while it has all other good points it is superior in quality to any snap bean now grown.

One of the largest Bean Growers in the United States says "it is earlier than anything I ever saw." Another says, "on comparing it with the ordinary Long Yellow Six Weeks, we find the quality to be superior, the pods being very much thicker and with less string. All in all I am much pleased with it."

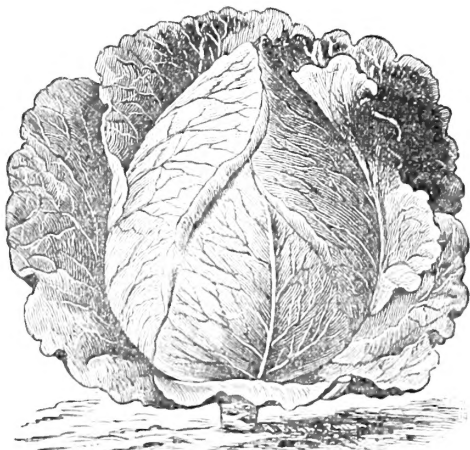
Pkt., 10 cts.; qt., 30 cts.; pk., \$1.50; bush., \$5.00.

CHAS. CARTER, Lauraville, Md., says:—Crosby's Egyptian Beet is the best of the many kinds I have tried.

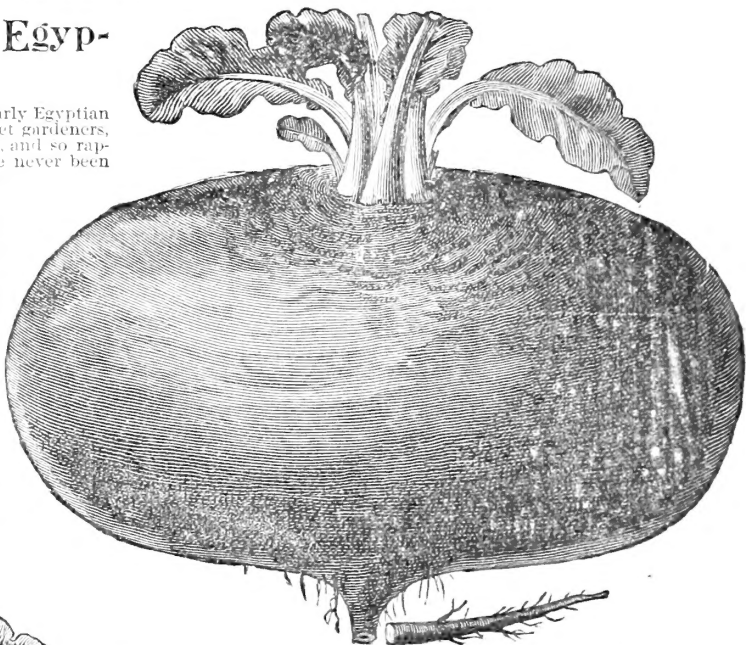
Crosby's Improved Egyptian Beet.

THIS is a very superior strain of Extra Early Egyptian made by one of the most noted market gardeners, near Boston. We first offered it in 1886, and so rapidly did it grow in favor that we have never been able to produce enough stock to supply the demand. We again offer it to our customers as the best early forcing Beet now known for market gardeners' use. Even when quite young, it is handsomer than any sort with which we are acquainted. The Beets are thicker, hand-somer and more regular than the common Egyptian, being in shape about half way between the Egyptian and the Eclipse, and are equally as good and early. It does not lack one of the good qualities of its progenitor, but is an improvement in shape, smoothness, and in the very important characteristic of having very small tops and extremely small root. This is also an excellent variety for family use. Per packet, 10 cents; ounce, 15 cents; $\frac{1}{4}$ pound, 35 cents; pound, \$1.25.

J. A. BEGG, Wise, Ohio, says:—The Large Jersey Wakefield Cabbage I got of you produced as nice Cabbage as I ever saw. The heads weighed 9 to 10 pounds each when dressed for cooking.



EXTRA LARGE JERSEY WAKEFIELD.



Extra Large Jersey Wakefield Cabbage.

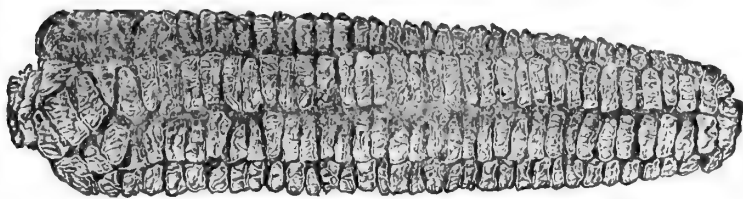
CALLED BY SOME THE "CHARLESTON" WAKEFIELD.

This is the third season we have offered this large strain of Wakefield. It has given such splendid satisfaction that we have determined to call special attention to it again this season. In size it averages 50 per cent larger than the old type of Wakefield, and yet is only five days later. To Southern growers it is very desirable. Oz., 30 cts.; $\frac{1}{4}$ lb., 80 cts.; lb., \$3.00.

Selected Extra Early Jersey Wakefield Cabbage.

Our stock of this variety has never been excelled for first early planting. Its remarkable uniformity and evenness has been obtained by long years of selection. This quality is very important, and, although the heads are of good size, yet they have very small outside leaves. One of its best qualities is its hardiness, and consequently it can be set out earlier or wintered over in cold frames better than any other. We are sure there is no better strain of this popular sort than ours, and we invite all who grow early cabbage to try it. Packet, 5 cts.; ounce, 25 cts.; $\frac{1}{4}$ pound, 75 cts.; pound, \$2.50.

Livingston's Early Red Cob Evergreen Sweet Corn.



THIS grand medium early Sweet Corn coming in before there is any other large corn on the market, is very profitable for Market Gardeners. It is very productive; has large, well filled ears, with deep broad kernels and small cob, filled well over the tips, very sweet; selling in market from two to three cents higher per dozen than any other corn. It contains so many good points essential in a table corn and is so exclusively grown by our own marketmen for general crop, that we sell more of it over our counters for seed than for food.

of all other varieties combined. We have made a specialty of this variety for over thirty years and we never tire of sounding its praises. Per packet, 5 cts.; quart, 15 cts.; peck, \$1.00; bushel, \$3.50.

TILLMAN OSKINS, Gentryville, Ind.—Your Livingston's Evergreen Sweet Corn is the best I ever saw.

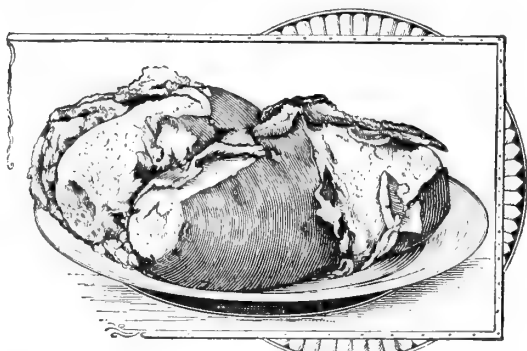
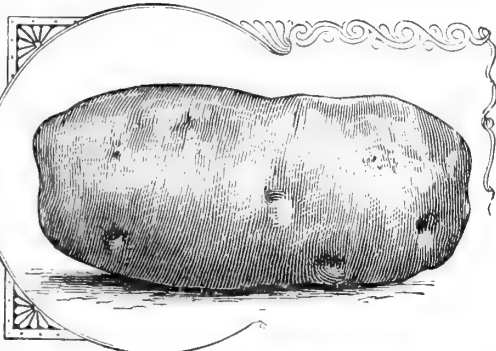
A. B. CHAPMAN, Maple, Mich.—I was well pleased with the Livingston's Evergreen Sweet Corn.

JAMES DeHANAN, Parker's Ford, Pa.—Your Evergreen Sweet Corn is the best of all.

LIVINGSTON'S FIRST IN MARKET PEAS.

THIS Extra Early is not excelled if equaled by any other strain offered. When inspecting the crop last summer we were surprised to find it ripe and ready for harvesting, whereas other noted strains in same locality were still green. This proves their extra earliness and evenness of ripening. They were also dwarfier and the pods set closer together. No sticks or brush are required, as they seldom reach twenty inches in height. The pods are very full and handsome. Their hardness is another strong point, as they can be safely planted as soon as ground can be worked and subsequent freezings seem to have no effect. We have no hesitancy in recommending them. Price—20 cts. per quart; \$1.10 per peck; \$4.00 per bushel.

Livingston's Seneca Beauty Potato.



THIS valuable and distinct variety is a special favorite with all Gardeners who have grown it. Its appearance will sell it in any market. The tubers are very smooth, with eyes close to the surface, of a beautiful pink color. For five years has never shown the least sign of blight, and last season produced twice as many marketable potatoes as the best varieties planted alongside. A good keeper, and its mealy quality unsurpassed. The vines grow rank, the tubers are wonderfully uniform in size and shape, and surprisingly productive, yielding a large number of marketable potatoes to each hill with scarcely any small ones. The tuber at the left of above illustration accurately shows its shape, and we this season received a prize bushel which contained only 13 potatoes, and yet each one was as perfect as the one engraved. The plate at the right holds two tubers which were boiled and then photographed. Peck, 75 cts.; bushel, \$2.50; barrel, of $2\frac{3}{4}$ bushels, \$6.00.

MR. FRED. BRUMM, Beech Cliff, Pa., writes: "You sent me a sample tuber of the 'Seneca Beauty Potato' last spring, and I planted it in seven hills, and I dug very nearly one peck of the finest potatoes I ever saw. I showed them to a friend of mine, and he said he never saw any nicer lot of potatoes raised from one tuber. I thank you many times."

MR. REUBEN DOVE, Jr., Cridders, Va., writes: "I have been getting seed of you for several years, and they are first-class in every respect. Last year, from one tuber of 'Seneca Beauty Potato,' I raised one-half bushel. They are the smoothest and hand-somest potatoes I ever raised, and but few small ones. It is a long potato, very smooth, eyes close to the surface, and of a beautiful pink color. A good keeper. I cooked a few of them, and their mealy quality is unsurpassed."

MR. J. C. KROGER, Vermontville, Mich., writes: "The Seneca Beauty Potatoes are doing well and promise to be the best potato that we have this season. This has been the poorest year for potatoes we ever had since going into the business."

MR. G. S. BRUCE, Mt. Gilead, Ohio, under date of Oct. 31, writes: "By reference to your books you will see that I got one peck of 'Seneca Beauty Potatoes' of you last spring. I planted them on about five rods of ground, and dug them last week, and had eleven and one-half bushels of potatoes. The ground was only tolerably good, and I did not cultivate them as well as I ought to have done. I have some very fine specimens of the potato, and shall exhibit them at our County Fair. I filled a peck measure rounding full (did not weigh) and found it held nineteen potatoes. We have cooked and tried their eating qualities, and pronounce them first-class."

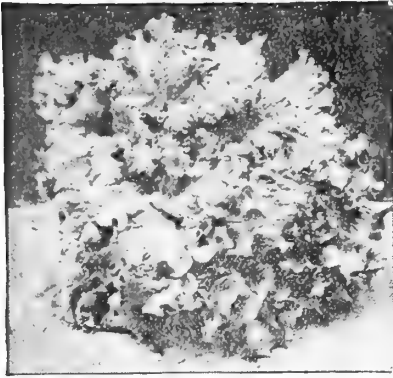
MR. D. M. MICHAEL, Calvary, Md., writes: "I can boast of having the finest potatoes in our county. I had a fine crop of the 'Seneca Beauty Potatoes.' Your seed has always given me satisfaction."

MR. N. L. MORROW, Barnesville, Ohio, writes: "I raised 31 pounds from the 'Seneca Beauty Potato' you sent me. They are first-class, good size, and it was not a good year for potatoes here."

MR. WM. PENCE, St. Paris, Ohio, writes: "The 'Seneca Beauty Potatoes' I ordered of you are doing well this dry season. The driest season I ever saw for potatoes."

MR. E. G. CARRIER, Asheville, N. C., writes: "The 'Seneca Beauty Potato'—while it did not prove as early as Early Rose—is as good as any one can wish for, and it yields splendidly, all of good size. Do not have to peel them when they are cooked. I never saw potatoes before that would BAKE the skin off, as well as BOIL it off. I want no better for this country."

GRAND RAPIDS LETTUCE.



THIS is a new forcing variety which has been developed in the vicinity of Grand Rapids, Mich., and is specially adapted for greenhouse culture in winter. It is the result of fifteen years selection from the Black Seeded Simpson, which is generally recognized as the standard for forcing, and has so far superseded that old favorite that fifty large greenhouses in Grand Rapids alone now use it exclusively. It is superior and beautiful in appearance, a strong grower, very tender and crisp, and, so far as known, free from rot, and will keep from wilting longer while exposed for sale than any other sort known. We had a few heads shipped to us last fall, which, at the end of three days, were very tender and of delicious quality.

By the use of this distinct variety the Grand Rapids, Mich., gardeners have been able to distance all competitors, and hold the markets for forced Lettuce at their own figures, not only in this one city but as far south as Cincinnati. They have jealously guarded the seed so that until last season it has been impossible to obtain it. Our stock is grown from seed obtained from the originator, and can be relied upon as true and pure.

Per packet, 10 cts.; 1 oz., 25 cts.; 2 oz., 45 cts.; $\frac{1}{4}$ lb., 75 cts.

LIVINGSTON'S

Mammoth Purple Egg Plant.

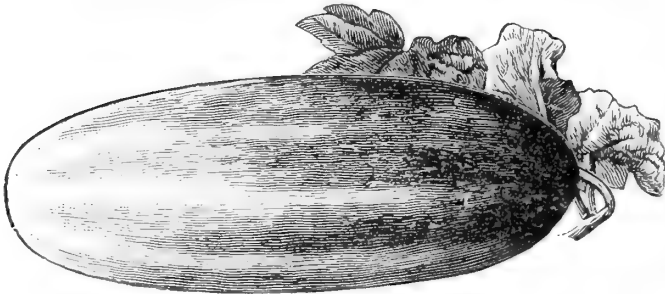
The Handsomest, Largest and Finest Variety Grown.

THIS extra selected strain of Purple Egg Plant has been supplied by us for a number of years with unbounded satisfaction to our customers. Our own experience in Market Gardening taught us that it is very important to have the best seed obtainable, for if poorly grown, irregular in shape, or green in color, it is quite unsalable; and labor, time and money are wasted. The plant is a very vigorous grower and a great producer of large oval shaped deep purple colored fruit. The flesh is white, tender and of finest quality.

Lb., \$5.50; $\frac{1}{4}$ lb., \$1.50; oz., 50 cts.; pkt., 10 cts.



SELECTED EARLY WHITE SPINE CUCUMBER.

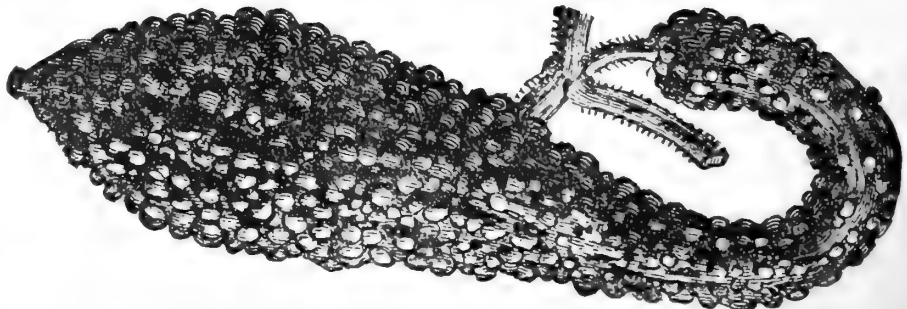


WE have sold this carefully selected strain of Extra Early White Spine Cucumber with increasing popularity for four seasons. Although growing a large supply each year we have never had enough to fill all orders. It is intended for a slicer and is the handsomest and most uniform strain, our customers tell us, that can be found anywhere. In shape it is perfect, being of good length, yet perfectly straight, (we never saw a crooked one), well filled out at the ends, and consequently always brings good prices. A most abundant yielder and rapid, vigorous grower.

Lb., \$1.00; $\frac{1}{4}$ lb., 30 cts.; oz., 10 cts. (5 lbs., \$4.50.)

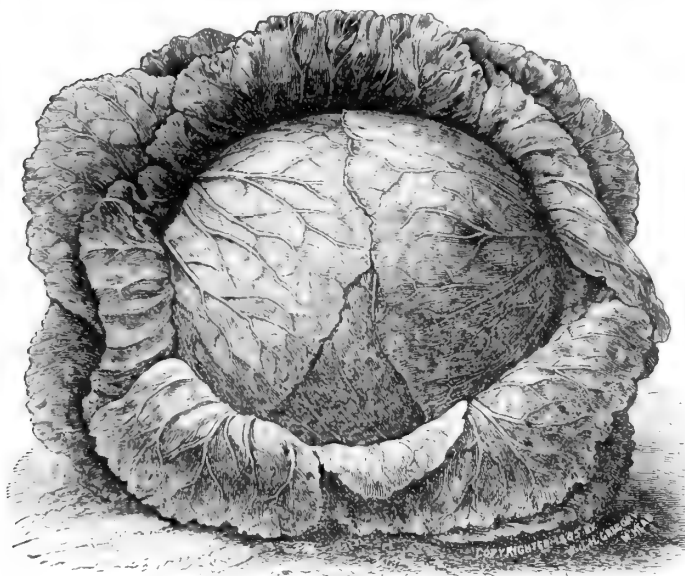
GIANT SUMMER CROOKNECK SQUASH

THIS magnificent strain of Summer Crookneck has been brought about by years of painstaking selection. It grows to a very large size, and yet gardeners report it as being earlier than the common variety. This being the case, it will certainly be the most profitable sort for marketing. We recommend it to customers because it grows so quick and large, keeps bearing all summer, and commands such good prices.



Pound, \$1.00; $\frac{1}{4}$ pound, 30 cts.; ounce, 10 cts.; packet, 5 cts.

Chase's Excelsior Cabbage.

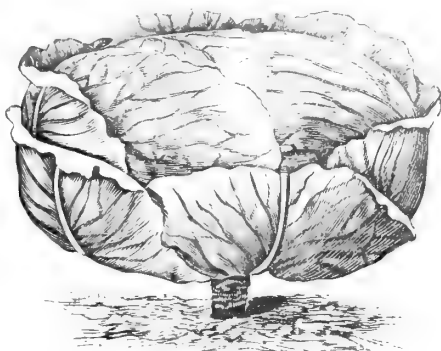


CHASE'S EXCELSIOR CABBAGE.

LIVINGSTON'S

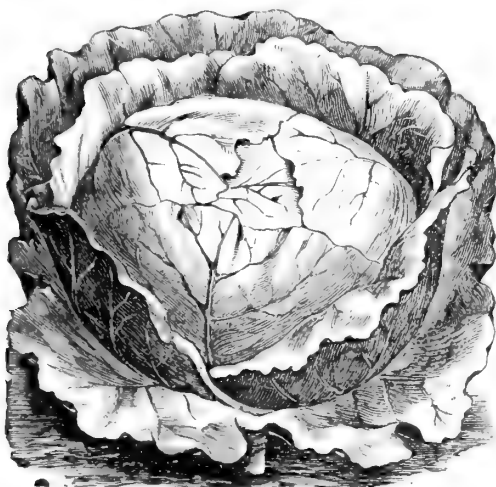
Premium Flat Dutch Cabbage.

We have endeavored by years of careful selection to produce a perfect variety for main crop for winter use. Our aim has been to get a *reliable header*, and we know of none that will give more satisfactory results than *Livingston's Premium Flat Dutch*. With good cultivation and a favorable season, ninety-nine out of a hundred will make fine, large, solid heads. It is a late fall and winter variety. For the winter market it has no superior, being one of the best winter keepers. Heads are very large and solid; they open white, crisp and tender. Five lbs., \$1.60 per lb.; lb., \$1.75; $\frac{1}{4}$ lb., 50 cts.; oz., 20 cts.; pkt., 5 cts.



MAMMOTH ROCK RED CABBAGE.

The past season has substantiated our claim that this is as sure to head, and that the heads are as large, as the Flat Dutch; also that the heads are always of deep red color, not only on the outside, but to the center. The pure and carefully grown stock we offer will, under fair cultivation, produce on every plant a big, solid, deep red cabbage, handsome and highly satisfactory to the grower. **This is by far the Best Red Cabbage in existence.** $\frac{1}{4}$ lb., \$2.50; oz., 75 cts.; $\frac{1}{2}$ oz., 40 cts.; pkt., 10 cts.



New Succession Cabbage.

This excellent Cabbage gave good results to all who tested it the past season. Follows ten days behind the early summer, and differs from that variety in forming heads at least one-third heavier, while at the same time it can be planted nearly as close, as its outer leaves are unusually short and compact for a Cabbage forming such a large and heavy head. In about two acres of it which was growing for seed purposes in November, 1886, and examined by three experts, it was pronounced to be the most perfect type of Cabbage they had ever seen; every cabbage was headed up, and of a uniformly perfect shape, large and heavy. Although this variety will be largely grown to come in for midsummer use, it will also be most valuable for a fall or winter variety, as its firm, solid heads make it an excellent keeper. Lb., \$3.50; $\frac{1}{4}$ lb., \$1.00; oz., 30 cts.; pkt., 10 cts.

A magnificent medium early variety, following Early Summer, having almost double the size, however. It has this advantage over the Late Flat Dutch, that it can be planted (as a second crop) twenty days later and still mature almost as many pounds to the acre. It is very uniform in type, sure to head, and is exceedingly solid. Very few varieties will produce so many well-formed, large, solid heads from the same number of plants. Lb., \$2.25; $\frac{1}{4}$ lb., 60 cts.; oz., 20 cts.; pkt., 5 cts.

MR. A. J. CARPENTER, Maryland, writes: "Your Chase's Excelsior Cabbage is No. 1."

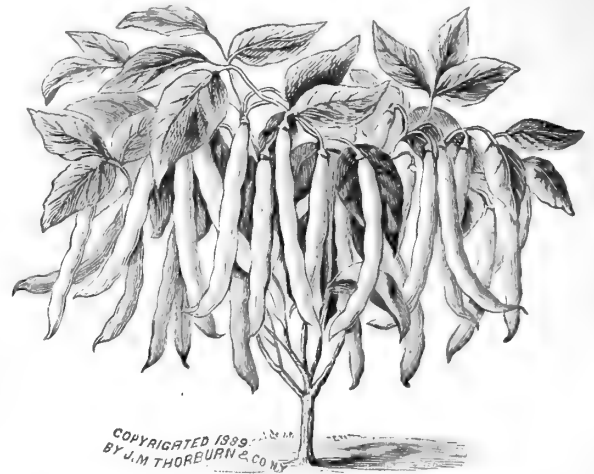
MR. GEORGE REBMAN, Illinois, writes: "Your Chase's Excelsior Cabbage is the best Cabbage I ever saw. I have raised it for several years, and would not be without it."

MR. E. W. FINDLEY, Iowa, writes: "Was much pleased with the seeds I got from you last year. The Excelsior Cabbage was just splendid, the best I ever saw. Was very solid and firm. The Cabbage worm did not bother it so badly as other kinds."

FRANCIS MCKIE, Ohio, writes: "Your seeds last year were good. I raised some Chase's Excelsior Cabbage that weighed 25 lbs. after the leaves were taken off."

Extra Early Refugee Wax Bean.

(THORBURN'S.)



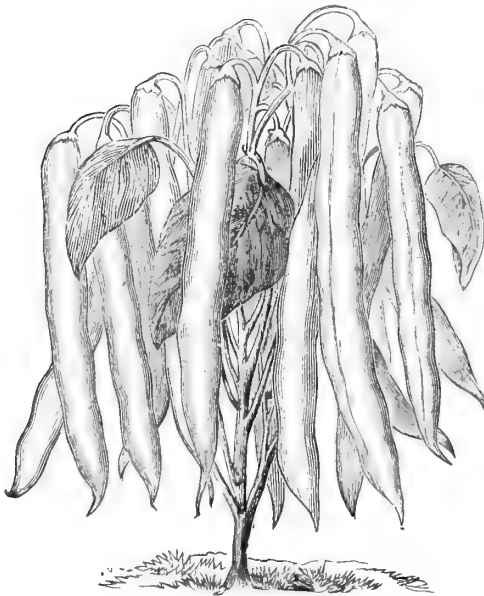
COPYRIGHTED 1889
BY J. M. THORBURN & CO.

OUR friends, Messrs. J. M. Thorburn & Co., the introducers of this variety, say:

"It is, without exception, *the earliest bean grown*. It is a perfect Refugee with wax pods that are long, round and of a golden yellow color. It is suitable for early or late sowing, and for a wet or dry season. If sown in the spring, it will give seed in time for a second crop in the fall. Is an immense yielder.

Per packet, 15 cts.; $\frac{1}{2}$ pint, 25 cts.

EXTRA EARLY REFUGEE BEAN.



EXTRA EARLY REFUGEE BEAN.

THIS valuable new strain has all the superior qualities of the famous Refugee, and is fully two weeks earlier in podding. It is an immense yielder and is sure to produce a good crop in either a wet or dry season. When planted early in the spring it has ripened and another crop grown in time for fall picking before frost. It will be quickly appreciated by growers who have heretofore held to the old Refugee or Thousand to One.

Qt., 25 cts.; 4 qts., 75 cts.; pk., \$1.25; bus., \$1.50.

IMPROVED EXTRA ROUND POD EXTRA EARLY RED VALENTINE.

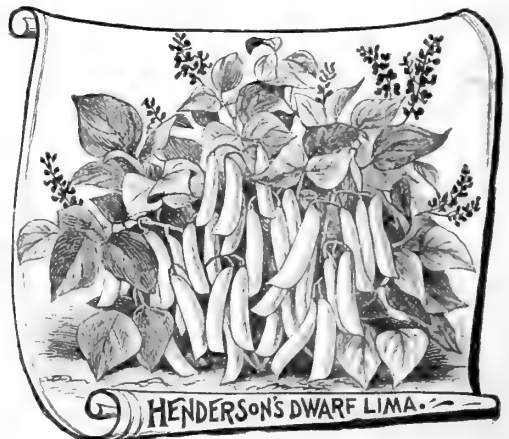
FROM the fact that there are so many mixed and inferior stocks of Valentine we have been led to take special pains to produce a strain that will run true, and also possess all other qualities necessary. The characteristics of our Extra Early Extra Round Pod Valentines are as follows: The vines grow very uniform in size and shape, with scarcely any leaves, thus allowing the pods to set most abundantly and develop uniformly. As the vines have not the weight of a great mass of leaves upon them they hold the pods well up from the ground. The pods are round, smooth, and stringless. The crop is generally ready to pick in from 35 to 40 days from time of planting, being at least ten days earlier than common stocks of Valentine.

Quart, 25 cts.; peck, \$1.25; bushel, \$1.50.

HENDERSON'S New Bush Lima Bean.

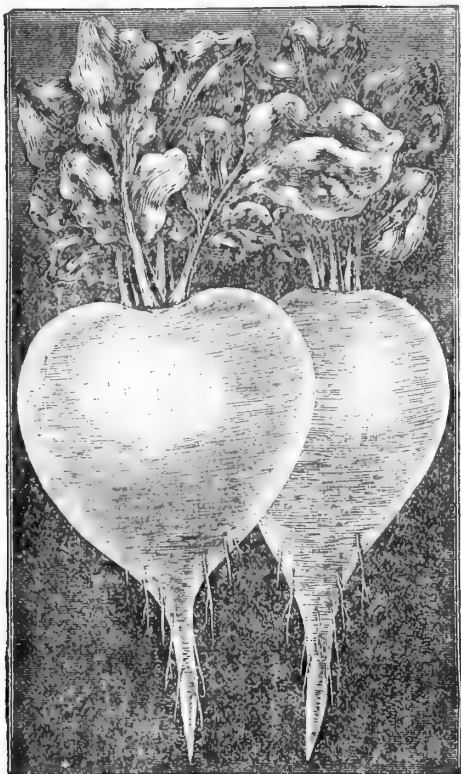
THIS wonderful variety created great excitement last season among Gardeners. Those who never had a vegetable garden before were induced to plant the Bush Lima Bean, because it enabled them to have the most delicious of all vegetables without the trouble and expense of the unsightly poles. The New Bush Lima grows without the aid of stakes or poles in compact bush form, about 18 inches high, and produces enormous crops of delicious Lima Beans which can be as easily gathered as the common Bush sorts. It is at least **two weeks earlier** than any of the climbing Limas. This fact alone would stamp it as the most valuable novelty of recent years, but when, in addition to this, we consider that it is a true **Bush Bean**, requiring no supports some idea of its great value can be realized.

Pint, 30 cts.; quart, 50 cts.; peck, \$3.50; bushel, \$12.00.



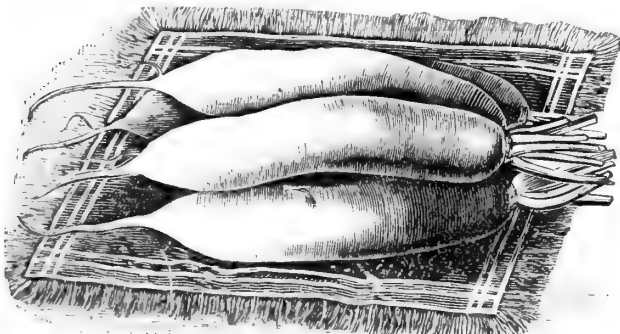
HENDERSON'S DWARF LIMA.

LIVINGSTON'S SELECTED STOCKS OF FOUR STANDARD RADISHES.



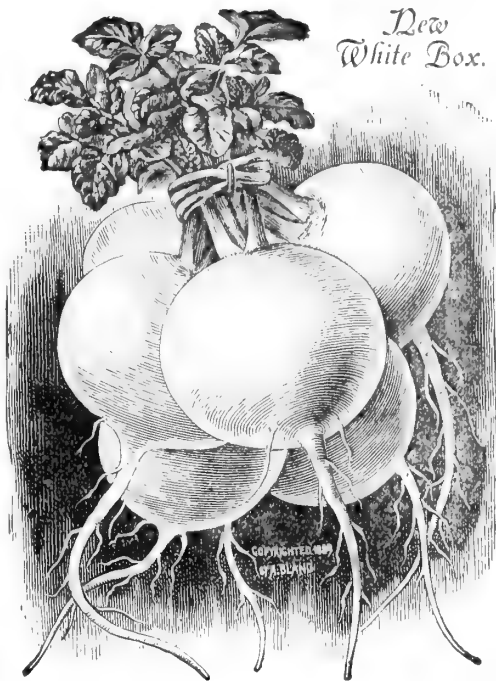
CHARTIER WHITE SUMMER TURNIP RADISH.

This is a variety which has been much thought of in some localities, and will prove to be in every way superior to the ordinary White Summer Turnip, as it possesses in a remarkable degree the characteristics of remaining a long time without getting tough or pithy. Although quite early it remains in good, edible condition throughout the summer. In shape it varies from globular to oblong. The color is pure white, and, all in all, we consider it a valuable addition to the list of summer or main crop varieties. Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 55 cts.



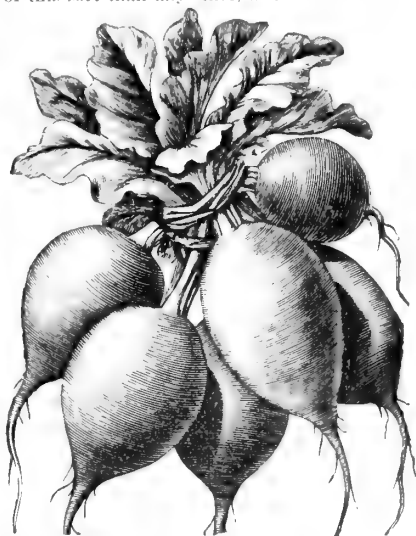
IMPROVED CHARTIER, LONG.

The roots of this variety grow to a large size, about two-thirds of the length from the top being of a crimson-rose color, shading off lighter until at the bottom they become quite white. They are of very quick growth, and ready for use nearly as early as the Long Scarlet. They are exceedingly tender and crisp, and remain so for at least two months. We have sold it very extensively for several years, and it has proved to be the very best all season's Radish in use for the open ground. Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 50 cts. 5 lbs. or over at 45 cts.



New
White Box.

This variety is much superior to any other white turnip radish heretofore offered. Its points of superiority are remarkably short top, rapid growth, perfect turnip shape, extra fine quality, and remains solid and juicy long after fully grown. Its short top and rapid growth especially fits it for growing under glass, in frames or "boxes," hence its name, as well as early sowing on squares or borders in the open ground. Owing to its very few short leaves, it can be sown very thickly in the row without causing the leaves to "draw." Fully one-half more radishes can be raised in the same space of this sort than any other, which makes it extremely valuable to those engaged in forcing early vegetables under glass. Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.; 5 lbs., \$2.50.



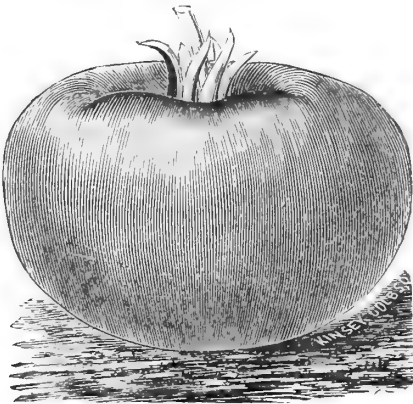
EARLY SCARLET GLOBE.

For hot-bed forcing there is no globe shape variety so desirable as the Early Scarlet Globe. It is the earliest; its color is the handsomest; in flavor it is the mildest most crisp, juicy and tender. It is the market gardener's favorite as a forcing Radish. It forms small top and will stand a great amount of heat without becoming pithy. It is also an excellent variety for garden culture. Brought out in 1884, it has already become widely known and deservedly popular. Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.; 5 lbs., by express, \$2.50.

LIVINGSTON'S TOMATOES.

THERE is now no civilized country into which the fame of Livingston's Tomatoes has not extended. It is twenty-one years since we originated our **Paragon**, which was the first perfectly smooth *red* variety known. Five years later we introduced the **Acme**, the first perfectly smooth *purple* sort known. Since the advent of these sorts we have brought out consecutively the **Perfection**, **Golden Queen**, **Favorite**, **Beauty** and **Potato Leaf**, until this season we offer the **New Stone**, a variety of splendid promise—(see p. 1.) These have all become standard sorts. As originators and introducers of them we use the most assiduous care in growing the seeds, and, although these same varieties are extensively advertised by other dealers, yet we do not hesitate to claim superiority for our headquarters strains.

We note the statement in a prominent seed catalogue that our **Paragon**, **Perfection** and **Favorite** are identical. Such assertions betray ignorance of the true types of these three really distinct sorts and should serve to warn careful seed buyers that seeds so offered can not be relied upon and that the sure way to get the genuine is to buy direct from us.



LIVINGSTON'S EARLY ACME TOMATO.

Livingston's Early Acme.

The EARLIEST GOOD TOMATO, especially for market gardeners' use. Plants are of strong and vigorous growth, very productive, fruit of medium size, form perfect, round, slightly depressed at the ends, very smooth, color a glossy dark red with a sort of purplish tinge, ripens all over and through at same time. It is vastly superior to any extra early sort with which we are acquainted. Since its introduction, in 1875, no sort has equalled it for first early planting. Oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.25.

CET HEADQUARTERS STOCK.

Livingston's Perfection.

It is shaped like the **Acme**, but somewhat larger. Fully as early, has more solid flesh and fewer seeds, and produces more and larger fruit at the close of the season; perfectly smooth, blood-red in color. Peculiarly well adapted for CANNING WHOLE on account of its uniformity in size and shape. One of the most popular sorts among canners. Oz., 20 cts.; $\frac{1}{4}$ lb., 70 cts.; lb., \$2.50.

CET HEADQUARTERS STOCK.

Livingston's Paragon.

Has become a decided favorite with market gardeners and canners. It is a large sized variety, and the meat is solid and well flavored. In time of ripening it comes between the early and late varieties. Color, deep red. Like all other varieties of our introduction it is perfectly smooth and uniform. Oz., 20 cts.; $\frac{1}{4}$ lb., 70 cts.; lb., \$2.50.

CET HEADQUARTERS STOCK.



Livingston's Beauty Tomato.

The most popular variety for main crop among Market Gardeners and Shippers.

The color is very attractive, being a glossy crimson with a tinge of purple. In shape it is a model. The illustration above does not exaggerate its perfect form and outline. There are absolutely no rough fruits produced. Though quite early it retains its size during the entire season. A wonderful cropper, growing in clusters of four to five fruits. For shipping it can not be excelled, from the fact that fruits picked quite green ripen up to a fresh bright color, without shriveling. Oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.75.

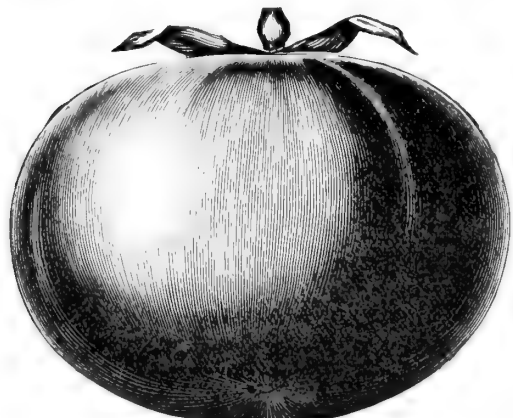
CET HEADQUARTERS STOCK.

Livingston's Favorite.

It is the LARGEST, PERFECT SHAPED Red Tomato in cultivation. Does not crack or rot at blossom end, is a dark red color, ripens evenly and quite early, holding its size to the end of the season. Very prolific, good flavor, few seeds, flesh solid, bears shipping long distances. The **Favorite** is taking the lead of all red sorts among market gardeners north and south, canners and consumers as well. Oz., 20 cts.; $\frac{1}{4}$ lb., 70 cts.; lb., \$2.50.

CET HEADQUARTERS STOCK.

What Market Gardeners and Canners Say.



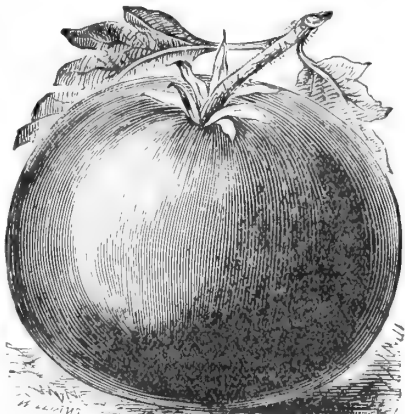
LIVINGSTON'S PARAGON TOMATO.

MR. J. L. HARRIS, FLORIDA, writes: "I planted on $\frac{1}{2}$ acres 5,000 tomato plants, one-half Beauty and the other half Favorite. Sold 1,107 crates of tomatoes. Average price \$2.03 per crate."

MR. GEO. BAIR, OHIO, writes: "Last spring you sent me a packet of Atlantic Prize Tomato Seed for trial. I compared them with Beauty and picked ripe tomatoes from them 10 to 12 days earlier than from Beauty, but in form were so much inferior to Beauty that I do not regard them of any practical value to me. I make a specialty of early tomatoes, and began picking tomatoes from Livingston's Beauty the 15th of July and sold them at 8c. per lb."

MR. MULFORD HOMAN, N. Y., writes: "It is a pleasure to me to have so good a report to give you of your Perfection Tomato. They grew large, nice and smooth, and of good quality and early."

MR. A. T. WOLFE, Mgr. Jackson Packing Co., JACKSON, MISS., writes: "It affords me pleasure in saying to you what was written to me in 1889 and 1890 from New York, Philadelphia, Cleveland, Kansas City, Omaha, Denver, and other places. 'The Tomatoes shipped for account of the Crystal Springs Packing Co. are the finest that was ever seen in this market.' They were Livingston's Beauty."



LIVINGSTON'S PERFECTION TOMATO.

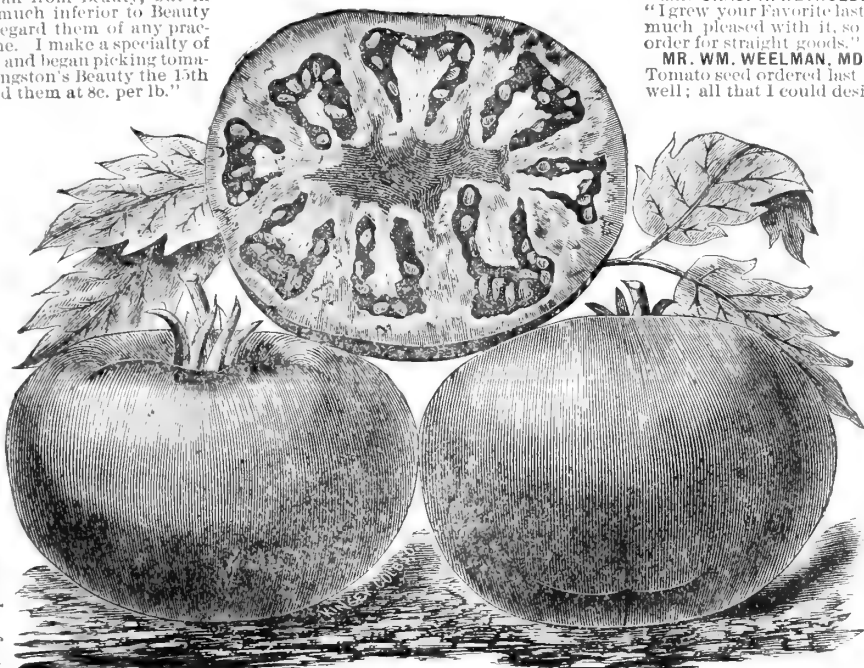
MR. F. A. WELLS, OHIO, writes: "I ordered Paragon seed from your house at Reynoldsburg (21 years ago), I think it was first season it was advertised for sale, and have planted your different improved Tomatoes ever since, and have invariably been pleased with them."

MR. CHAS. A. REYNOLDS, ILLS., writes: "I grew your Favorite last season, and was much pleased with it, so I send you this order for straight goods."

MR. WM. WEELMAN, MD., writes: "The Tomato seed ordered last year turned out well; all that I could desire."

MR. WM. M. TAYLOR, VA., writes: "Your Tomatoes well deserve the name of Livingston's New Beauty. They were as pretty as the picture. I had the pleasure of having the finest on the Washington market. The Acme Tomatoes and the Peppers were also very fine."

MR. J. B. ALEXANDER, CONN., writes: "Your Beauty Tomato, for general market crop, is best of all. Acme, for family garden, very superior."



LIVINGSTON'S FAVORITE TOMATO.

"THE GREELY SUN," **GREELY, CONN.**, writes: "Mr. J. D. Smith brings to our office a basket of tomatoes, a sample from his crop, that are the finest we have ever seen. They are of the varieties Livingston's New Beauty and Livingston's Favorite. They are round and smooth as an apple. They are almost solid in the middle, leaving no big spaces for the seeds. The flavor is delicious. Mr. Smith has 2 acres of these on Mr. J. M. Waller's place west of town, and he says he will get a car load of this patch."

SPECIAL TO CANNERS.—Some Extracts taken from the April 12th, (1890), number of the "RURAL NEW YORKER," Times Building, New York.

A number of packers doing business in New Jersey have answered the following questions:

1. What varieties of Tomatoes are most useful to you for canning purposes?

2. What soils, manure and culture do you recommend?

3. Which are the better for canning—large or small-sized Tomatoes? The replies are as follows:

"We use the LIVINGSTON'S FAVORITE, PERFECTION and PARAGON. The best soil is a medium light loam, not too light or very heavy. It should be enriched with about 25 large 2-horse wagon loads of stable manure per acre, applied broadcast."

"We consider the PARAGON best for our purpose. A heavy loam soil well manured gives the most satisfactory yield. We prefer a medium-sized smooth tomato, as there is no waste in cutting it."

With the above evidence, it is certain that no other sorts are superior to Livingston's Favorite, Livingston's Perfection and Livingston's Paragon for Canners and Catsup Makers. The only remaining point is to get Good Seed of these varieties. To be sure of this, BUY DIRECT FROM US.

"Any variety that is large, or moderately large, round, smooth, and of a good red color will do, such as LIVINGSTON'S FAVORITE or PERFECTION, etc. Generally heavy soils that are not too low yield the largest crops. Barnyard manure should be scattered broadcast and a fertilizer applied in the hills. The ground should be well plowed and well harrowed. Large varieties of tomatoes are the best for canning purposes, provided they are round and smooth and of a good red color."

"Any solid, bright red-colored tomato is good for canning. I use the PARAGON, PERFECTION and FAVORITE varieties. What sort of land will prove best will depend on the season; but generally a rather heavy soil will produce the best-colored tomatoes. It should be enriched with barnyard manure, with fish poonace or some other special manure. I prefer large to small tomatoes; but the first requisites are color and solidity."

superior to Livingston's Favorite, Livingston's Perfection and

Livingston's Superior Selected Onion Seed.

THE most limited experience in Onion Growing will show that Good Seed is of the highest importance. It can not be produced by planting thick-necked, ill-shaped bulbs. Much of the seed, however, that is put upon the market is grown from just such roots. In the first place it lacks vitality, but if it does germinate the crop is for the most part scullions. In contra distinction to this we grow our seed from perfect shaped and well ripened bulbs with the smallest tops. The result is seed that will GERMINATE QUICKLY and grow vigorously—A GREAT POINT, as the young plants are easily choked with weeds. This extra care has been rewarded by a rapid increase in our ONION SEED TRADE—one grower alone having bought three hundred and twenty-six (326) pounds to sow for raising large bulbs for market. The following varieties are the best adapted to the purposes named:

Extra Early Red.

A medium sized flat variety; an abundant producer, and very uniform in shape and size; moderately strong flavored, and comes into use nearly two weeks earlier than the Large Red Wethersfield; very desirable for early market use. Even on cold and heavy soils, where other varieties fail, it will often produce a very satisfactory crop. It is extremely well adapted, also, for northern latitudes, as it is about the only variety that will produce a crop of full sized onions there from the black seed. Oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.40; 10 lbs., \$12.50.

Large Red Wethersfield.

This variety is considerably larger, and in shape a little thicker through, than the Extra Early Red described above. It is, consequently, a few days later in maturing. It is the standard red variety, grows to a large size, and is an immense yielder. It is not quite so fine grained as some other varieties, but as it is very productive and the best keeper, it has become one of the most popular for general cultivation. On poor, dry soils it will produce a better crop than any of the yellow varieties. Oz., 15 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.40; 10 lbs., \$12.50.

Southport Large Red Globe.

This variety is of more globular form than either of the preceding, being, if anything, a little elongated from the top to the root. This gives them a very beautiful shape, and as their color is very fine, they have brought an extra price in all large markets for some years. Our seed is obtained from a large grower near Southport, and is extra choice. Oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.60.



No. 2—Extra Early Red; No. 3—Yellow Dutch or Strasburg; No. 4—Large Red Wethersfield; No. 5 shows shape of Southport White Globe, Southport Red Globe and Southport Yellow Globe; No. 6—White Portugal.

Yellow Strasburg or Dutch.

This is the flattest, and the earliest of all the yellow varieties. It is also one of the oldest sorts in cultivation. The skin is of a little darker color than the Danvers and Southport varieties described below. The flesh is white, of a mild flavor, and a good keeper. It is a most excellent variety for growing yellow bottom sets, although of late years many growers are using the Yellow Danvers. Oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.15; 10 lbs., \$10.00.

Yellow Danvers.

A splendid medium sized variety, a little thicker than Yellow Strasburg, with white flesh, mild and well flavored. It is a great cropper if grown on suitable soil, and given good cultivation. It is almost as early as Yellow Dutch, and the strain we offer is equally well adapted for growing either sets or large onions. Oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.15; 10 lbs., \$10.00.

Selected Yellow Globe Danvers.

Although this is called a globe onion, it is not so spherical or thick through as the Southport Large Yellow Globe described below, although it more nearly approaches a perfectly globe-shaped variety than the Yellow Danvers. Our seed of both the Danvers varieties is grown near the town of that name and can be relied upon as true. Our Selected Yellow Globe Danvers is probably the most popular and profitable Onion to grow for market. Oz. 15c.; $\frac{1}{4}$ lb. 30c.; lb. \$1.25; 10 lbs. \$11.

Southport Large Yellow Globe.

This is the only perfectly globular shaped yellow variety. A little later in maturing than any of the preceding, and is very popular in the Eastern States. A splendid keeper, and very salable, on account of its handsome appearance. Oz., 15 cts.; $\frac{1}{4}$ lb., 45 cts.; lb., \$1.60.

New Extra Early Barletta Onion.

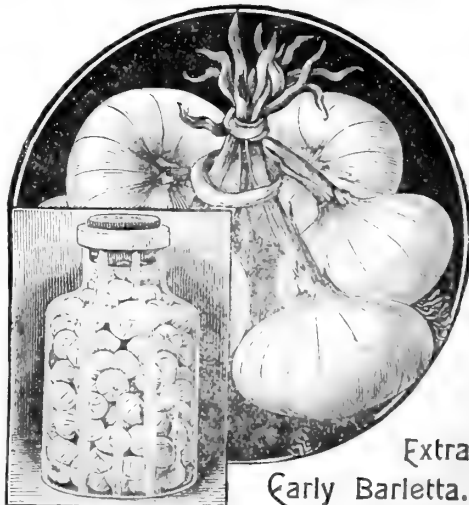
It is claimed that this new foreign variety is the very earliest in cultivation. Heretofore the Early White Queen has held that distinction, but this is probably at least two weeks earlier. When mature the tops die down, leaving the most beautiful and handsome little bulbs. The color is perfectly white, and the flavor exceedingly mild and delicate. In size averaging a little more than an inch in diameter. Perfectly adapted for pickling as well as for table use. Oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.25.

White Portugal or Silver Skin.

One of the finest white varieties for market or family use. Like the Extra Early Barletta, the flavor is mild and pleasant. The shape is quite flat. This is the very best variety from which to grow white sets, and is identical with that variety known in New England as Philadelphia White Silver Skin. Our stock is the very best obtainable, and we highly recommend it to set growers. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00; 10 lbs., \$17.50.

Southport Large White Globe.

This white variety is of the same shape as the other Southport Globe Onions. Grows to a very large size, although the texture is firm and fine grained, and the flavor much milder than either the Yellow or Red sorts. A splendid keeper, and one of the most attractive varieties grown. On this account it commands the highest market prices everywhere. For a main crop white onion our stock can not be excelled. Oz., 20 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.



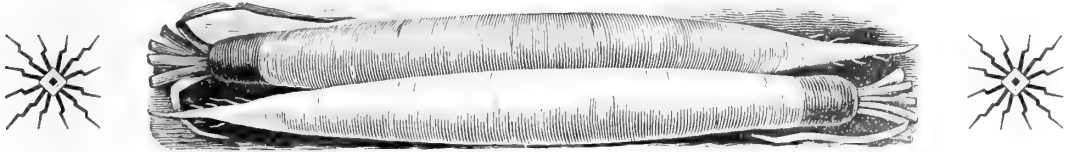
Extra Early Barletta.

CHOICE ONION SETS.

WE handle, each season, large quantities of White, Yellow and Red Onion Sets grown from the very best stock obtainable for the purpose. Our stock is fully equal, and often superior, to that sent out as Philadelphia grown. Onions grown from our Sets are of as good quality for keeping or immediate use as those grown in any other section. The varieties of Seed used by us in growing Sets are Extra Early Red, Yellow Dutch and Danvers, and White Portugal or Silver Skin. We can not supply Sets of any other varieties, as these are the only ones of any value. The prices are variable, and we shall be glad to quote lowest prices per bushel, by letter on application. If in a hurry, however, remit amount you wish to spend for them, and we will, at all times, send as many as possible for the money.

EXTRA EARLY RED ONION SETS—Quart, 20 cents. Bushel, (price on application.) | **WHITE ONION SETS**—Per quart, 25 cents. Per bushel, (Price on application.) | **YELLOW ONION SETS**—Per quart, 20 cents. Per bushel, (Price on application.)

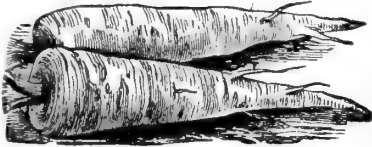
Sandwich Island Mammoth Salsify.



This greatly improved variety from the Sandwich Islands, is destined to entirely take the place of the old Long White French as it is fully double the size and weight, and the roots, notwithstanding their enormous size, are of very superior quality, being very tender and delicately flavored. Gardeners who have grown it will, under no consideration, use the old common sort. Our stock is of the very best. Oz., 15 cts.; $\frac{1}{4}$ lb., 35 cts.; lb., \$1.25

Selected Hollow Crown Parsnip.

This being the variety used by gardeners for general cultivation, we have made the production of first-class seed a specialty. It is grown from selected roots, and, with fair treatment, will produce a smoother, larger and more salable crop than can be obtained from ordinary stock. Oz., 5 cts.; $\frac{1}{4}$ lb., 15 cts.; lb., 50 cts.



Mammoth Ruby King Pepper.



The largest and mildest of all varieties. Ordinarily they grow 4 to 6 inches long, by 3 to 4 inches thick. When ripe they are of a beautiful, bright, ruby-red color, and are always remarkably mild and pleasant to the taste. They can even be sliced and eaten with pepper and vinegar like tomatoes or cucumbers. The plant is of sturdy, bushy habit, and each plant produces from 6 to 12 large, handsome fruits. Our strain of Ruby King Pepper has been grown in the north and selected for several years, and is superior in every way (especially earliness) to seed grown in the south. It was saved last season from selected fruits, by cutting each one open separately and rubbing out the seed dry. Oz., 25 cts.; $\frac{1}{4}$ lb., 75 cts.; lb., \$2.50.

New White Velvet Okra.



This is, without doubt, the very best Okra grown. The pods are perfectly round and smooth, with a white velvety appearance. It is also a great improvement in tenderness and superior flavor. The pods are of extra large size, and the plant is wonderfully prolific.

Oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 65 cts.

MUSHROOMS.

We keep constantly on hand a large stock of fresh carefully made spawn.

Best English Milltrack—Per pound brick, 15 cts.; per dozen bricks, \$1.20.

Best French—Per 2-lb. box, 70 cts.

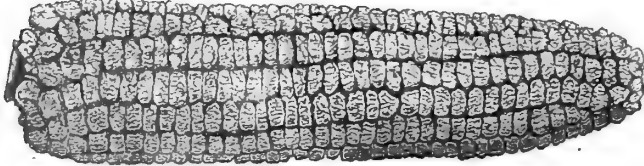


J. S. NIMON, writes:—The seeds procured of you last season, over three hundred dollars (\$300.) worth, were all O. K. DENISON, TEXAS, Aug. 12, 1890.

Burbank's Extra Early Maine Sweet Corn.

As early as Cory, larger and pure white. This candidate which appeals to the shrewd market gardener, as well as every owner of a home garden plot, comes from the State whose name it bears, and whose latitude is an indication of earliness in all vegetation. It has a pure white cob with a rich cream white kernel, sweet and juicy. Shows none of the red shade like Cory or Marblehead when cooked for the table. A fine ear, of good size, stalk medium, and on good soil often bears two ears. It is the result of six years careful selection. Experienced gardeners and others who have grown it for the past two years find it the largest white first early sweet corn they have grown. Our stock is direct from the originator. Quart, 25 cts.; peck, \$1.25; bushel, \$4.50.

EARLY BONANZA SWEET CORN.



An early variety with ears as large as Evergreen. This valuable variety originated a few years since with a market gardener who had in market, several weeks ahead of any of his competitors, large, fine ears of sweet corn in great abundance, for which he obtained the highest prices, as it soon became quite celebrated for its fine quality, and was much sought after. It is undoubtedly as early as Minnesota, Crosby's and other extra early varieties, while the ears are much larger than in any other early variety. It is exceedingly prolific, bearing two or three good ears to the stalk. Qt. 15c.; pk. \$1 00; bus. \$3.25.

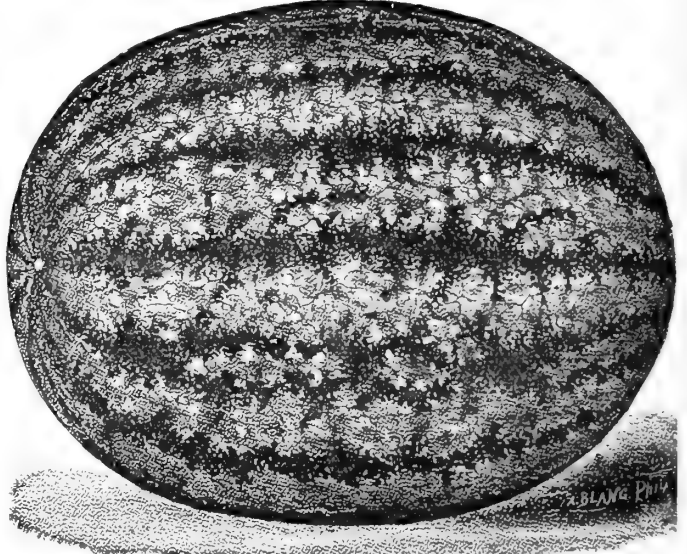
KOLB GEM WATERMELON

THE GREAT SHIPPING MELON.

This variety is more largely grown by Southern shippers than any other. It originated with R. F. Kolb, one of the largest melon growers of Alabama, and is a cross between Sealy Burk and Rattlesnake. The rind, though quite thin, is very tough, standing handling and shipment long distances without breakage. The flesh is bright red and of excellent flavor. All who grow it pronounce it one of the largest, most productive, best keeping and shipping melons. Owing to their fine quality and appearance they sell readily and at the highest market prices. Many of our customers assert that they obtain from twenty-five to forty per cent. more for KOLB GEMS than for any other variety.

Ounce, 10 cents; $\frac{1}{4}$ pound, 20 cents; pound, 60 cents; 5 pounds, \$2.50; 10 pounds and over, 40 cents per pound.

OUR STOCK OF THIS CAN NOT BE SURPASSED.



Yellow Peach Tomato.

The NEW YELLOW PEACH TOMATO differs from the Purple Peach, which became so famous last season, in color only. It is, if possible, more of a novelty than its predecessor; being of a rich golden color and having the bloom or furze of the Peach upon its surface. Of most exquisite quality for eating raw, and is very ornamental for the table. Packet, 10 cents; $\frac{1}{2}$ ounce, 30 cents; ounce, 50 cents.

Powell's Prolific Pole Bean.

The originator says: "I have found this bean to be a most rampant grower, one plant filling a pole with a mass of vines densely loaded with luscious beans. I do not claim too much when I say they are fully twice as productive as any other variety in existence. They are a sight worth seeing; almost a solid mass of pods from the bottom to the top of the pole. The handsome green pods average 8 or 9 beans to the pod, grow very uniform, about 6 inches long; perfectly stringless, very thick meated, tender, rich and buttery; possess an exquisite flavor when cooked, many calling it without exception the very best bean grown. It is a late variety and continues in bearing so long it might well be called 'everbearing.'" Pkt., 10c.; pint, 30c.; qt., 50c.

POTATO SEED.

We have the pleasure of offering a very choice strain of POTATO SEED—the product of numerous hybridizations between many of the best new and old varieties in cultivation.



SEED BALLS.

Growing new sorts from the seed-ball seed is a very interesting employment for old or young. There is the widest range of difference in color, shape and general characteristics between the different seedlings; every one is more or less unlike every other. Great success has already attended the attempt to improve this valuable esculent, and the end is not yet—many varieties will yet be found which will bring a golden harvest to the fortunate growers, and prove of inestimable value to the world. We frequently purchase promising seedlings grown from seed purchased of us.

PRICE, postpaid, 25 cts. per packet; 5 packets, \$1.00. Full directions for planting, cultivating, etc., on each packet.

W. M. JOHNSON, Tampico, Ind., writes: "The packet of Potato Seed done well. Some look like the peach-blue—some are a beautiful pink, large and long for a seedling the first year, they are a beauty. Some large white, purple eyes;—some round, pale red, 30 to 50 in a hill;—some pale blue;—some white, flat, and three inches or more long;—two hills of black potatoes, &c., &c. I never saw so many different colors and shapes. If they grow in the same ratio another year, they will be the largest ever raised in this section."

Livingston's

Wholesale Price List

For MARKET GARDENERS, INSTITUTIONS or OTHER LARGE BUYERS.

Below will be found a condensed list of such varieties as are commonly used by leading Market Gardeners. We designate more prominent sorts by heavy-faced type.

At the prices quoted, customers must pay cost of forwarding; but it will be found, even after paying these charges, that customers have received their supplies at exceedingly favorable rates. When desired, we will send by mail, but when this is to be done, postage must always be added to these prices at the rate of 8 cents per pound, or 15 cts. per quart for Peas and Beans, and 10 cts. per quart for Corn. But if wanted by express, or freight, simply remit whatever your order amounts to, and then you can pay the express or freight charges when seeds arrive. Half a pound will be supplied at pound rates; half pecks at peck rates; half bushels at bushel rates. For prices of many other varieties of seeds, and also of all varieties by packet, see our Retail Catalogue of True Blue Seeds. On packets we allow Market Gardeners a discount of 33 $\frac{1}{3}$ per cent. Thus: Seeds in Packets amounting to \$1.50 will be sent for \$1.00.

Although the prices given below are very favorable to our customers, yet where a large order is wanted, we can frequently supply at somewhat lower prices. We therefore invite those who wish to buy large quantities to write for Special Prices, sending a list of such seeds as they wish to buy. We hope to offer advantages in the way of prices which will secure all orders where quality is considered.

BEANS—Dwarf or Bush.

GREEN SORTS.

	Qt.	Peck.	Bu.
Livingston's Improved Round Pod Six Weeks	30	1 50	5 00
Pride of Newtown.....	40	2 50	.....
Henderson's Bush Lima	50	3 50	12 00
Extra Early Mohawk.....	20	1 00	3 50
Extra Early Round Pod Valentine	25	1 25	4 50
Long Yellow Six Weeks.....	20	1 10	4 00
Improved Extra Early Refugee (see page 10).....	25	1 25	4 50
White Valentine.....	30	1 50	5 00
White Kidney, or Royal Dwarf.....	20	1 10	4 00
White Marrow.....	20	1 10	4 00
Refugee, or 1,000 to 1.....	20	1 10	4 00
Prolific Tree.....	20	1 10	4 00
White Navy.....	20	1 00	3 75

WAX SORTS.

Extra Early Refugee Wax (see page 10).....	30	1 65	6 50
Scarlet Flageolet Wax.....	30	1 60	6 00
Violet Flageolet (or Perfection) Wax.....	25	1 40	5 00
Dwarf Mont D'or Wax.....	30	1 60	6 00
Black Eyed Wax.....	25	1 40	5 00
Dwarf Golden Wax	35	1 60	6 00
Detroit Wax	30	1 60	6 00
New Prolific German Wax	25	1 40	5 00
White Wax.....	85	6 00	.....
Mammoth Yosemite Wax	25	1 40	5 00
Crystal Wax.....	25	1 40	5 00
German Black Wax or Butter.....	30	1 50	5 50
Date Wax (Very Hardy).....	30	1 50	5 50
Wardwell's Kidney Wax	35	1 75	6 50
Golden Eyed Wax.....	40	2 50	9 00

BEANS—Pole.

New Early Golden Cluster.....	30	1 85	7 00
Large White Lima.....	35	2 25	8 00
Extra Large White Lima	35	1 85	7 00
Dreer's Improved Lima (Challenger).....	25	1 75	6 00
White Creaseback.....	45	2 75	10 00
Lazy Wives.....	55	2 00	7 50
Cut Short or Corn Hill.....	30	2 00	7 00
Jersey Extra Early Lima	60	4 00	.....
Ford's Mammoth Podded Lima	35	2 50	9 00
Mammoth Kidney Shaped.....	35	2 25	8 50
King of the Garden	25	1 40	5 00
Early Dutch Case Knife.....	40	2 25	8 00
Red Giant Wax.....	25	1 40	5 50
Speckled Cranberry.....	25	1 40	5 50
Southern Prolific.....	30	2 00	7 00
Small Lima, or Sieva.....			

SWEET CORN Extra Early.

	Qt.	Pk.	Bu.
New Cory , extra early.....	15	1 00	3 25
Burbank's Early Maine , new (see page 16).....	25	1 25	4 50
Adams' Extra Early.....	15	75	2 50
Moore's Early Concord.....	15	1 00	3 25
Early Marblehead.....	15	90	3 00
Early Minnesota.....	15	90	3 00
Crosby's Early.....	15	90	3 00

SWEET CORN—SECOND EARLY.

Shaker's Early	15	1 00	3 25
Early Bonanza	15	1 00	3 25
Pee and Kay	15	1 00	3 25
Chicago Market	15	1 00	3 25
Livingston's Early Red Cob Evergreen (page 7).....	15	1 00	3 50
Stabler's Early.....	15	1 00	3 25
Perry's Hybrid.....	15	90	3 00
New Triumph.....	15	1 00	3 25

SWEET CORN—LATE.

Livingston's New Gold Coin	20	1 00	3 50
Egyptian.....	15	1 00	3 25
Stowell's Evergreen.....	15	80	2 75
Black Mexican.....	15	1 00	3 25
Mammoth Sugar.....	15	80	2 75
Sweet Corn, for Fodder.....	...	50	1 75

PEAS—Extra Early.

Livingston's First in Market (see page 7).....	20	1 10	4 00
Alaska.....	20	1 00	3 75
Blue Beauty	30	1 60	6 00
First and Best.....	20	90	3 50
American Wonder	25	1 50	5 50
Tom Thumb.....	25	6 35	5 00
McLean's Little Gem	25	1 25	4 50
Premium Gem	25	1 25	4 50
Philadelphia Extra Early.....	15	90	3 25
Early Kentish Invicta.....	20	1 00	3 50
Carter's First Crop.....	15	90	3 25
Dan O'Rourke.....	15	90	3 25

PEAS—SECOND EARLY AND LATE.

Horsford's Market Garden.....	25	1 25	4 50
McLean's Advancer.....	20	1 10	4 00
Pride of the Market.....	30	1 85	7 00
Telephone	30	1 75	6 50
Stratagem	30	1 75	6 50
Abundance.....	25	1 25	4 50
Bliss' Everbearing.....	25	1 25	4 50
Champion of England.....	20	90	3 50
Yorkshire Hero.....	20	1 10	4 00
Blue Imperial.....	20	90	3 25
Black Eye Marrowfat.....	15	60	2 00
White Marrowfat.....	15	60	2 00

ASPARAGUS.

	Oz.	$\frac{1}{4}$ lb.	Lb.
The Palmetto.....(5 lbs., \$4.00)	10	25	90
Conover's Colossal.....(5 lbs., \$1.75)	5	15	40
Barr's Mammoth.....(5 lbs., \$4.00)	10	30	1 00
Conover's Colossal, 2 yrs. old, roots.....Per 100	60	1000—4	50

BEET.

	Oz.	$\frac{1}{4}$ lb.	Lb.
New Crosby's Egyptian (see page 6).....	15	35	1 25
Extra Early Eclipse (fine).....10 lbs., \$5.00	5	20	60
Extra Early Egyptian Turnip.....10 lbs., \$4.00	5	15	45
Early Blood Turnip.....	5	15	50
Early Bassano.....	5	15	50
Dewing's Imp. Blood Turnip.....	5	15	50
Bastian's Early Blood Turnip.....10 lbs., \$4.00	5	15	45
Long Blood Red.....	5	15	40
Edmund's Early Turnip.....5 lbs., \$2.25	5	15	55

MANGEL WURZEL AND SUGAR BEETS.

Lane's Improved Imperial Sugar.....(5 lbs. \$1 75)	5	15	40
Mammoth Long Red Mangel.....(5 lbs. 1 25)	5	10	30
Mammoth Red Globe Mangel.....(5 lbs. 1 25)	5	10	30
Golden Tankard.....(5 lbs. 1 25)	5	10	30

BROCCOLI.

White Cape.....	50	1 50	.....
Purple Cape.....	30	1 00	.....

CABBAGE—American Grown.

Our Cabbage Seed is the best that can be grown in the U. S. Imported Cabbage Seed of the late sorts will not head in this country.

Extra Early Etampes.....	15	50	1 50
Early Drumhead.....	20	50	1 75
Extra Large (Charleston Type) Jersey Wakefield.....	30	80	3 00
Selected Extra Early Jersey Wakefield (see page 6).....	25	75	2 50
Vandergraw Midsummer.....	25	75	2 50
Selected Henderson's Early Summer.....	25	75	2 50
Extra Early Flat Dutch.....	15	50	1 75
Early Winningstadt—Extra Fine.....	15	40	1 50
Fottler's Brunswick—Extra Stock.....	20	60	2 00
Succession—New (see page 9).....	30	1 00	3 50
All Seasons.....	20	60	2 00
Livingston's Premium Flat Dutch—Very Select.....	20	50	1 75
Autumn King—New.....	40	1 25	4 00
Chase's Excelsior—Very Fine.....	20	60	2 25
Large Late Flat Dutch—Choice.....	15	40	1 40
Genuine Sure Head.....	20	60	2 00
Large Late Drumhead.....	15	40	1 40
Early Louisville Drumhead.....	20	60	2 25
Marblehead Mammoth.....	15	50	1 60
Short Stem Drumhead—New.....	20	60	2 00
Large Blood Red Dutch.....	15	50	1 40
Early Blood Red Erfurt.....	15	50	1 60
Mammoth Rock Red.....	75	2 50	.....
American Drumhead Savoy.....	20	50	1 75

CARROT.

Guerande or Ox Heart.....	10	25	85
Early French Forcing.....	10	30	90
Early Horn (stump rooted).....	10	25	75
New Intermediate or Saint Vallery.....	10	20	75
Improved Long Orange.....	10	20	60
Danver's Orange—Improved.....	10	20	65
Nantes Ea. Half Long Scarlet.....	10	20	70
Carentan " " ".....	10	20	70
Chantenay " " ".....	10	20	70
White Belgian—For Stock.....	5	15	50
Yellow Belgian.....	5	15	50

CAULIFLOWER.

	Pkt. $\frac{1}{4}$ oz.	Oz.	$\frac{1}{4}$ lb.
Livingston's Earliest Dwarf (see page 4).....	25	1 25	4 00 14 00
Henderson's Early Snowball.....	20	75	2 75 10 00
Extra Early Dwarf Erfurt.....	20	60	2 25 8 00
Half Early Paris, or Nonpareil.....	10	20	60 2 00
Lenormand's Short Stem.....	10	20	60 2 00
Large Late Algiers.....	10	20	60 2 00
Veitch's Autumn Giant.....	10	20	50 1 75

CELERY.

	Oz.	$\frac{1}{4}$ lb.	Lb.
Giant Pascal (see page 4).....	35	1 00	3 50
White Plume (see page 4).....	25	75	2 75
Golden Self-Bleaching (see page 4).....	30	85	3 00
Ea. Arlington.....	20	60	2 00
New Rose—Choice.....	20	60	2 00
Dwarf Golden Heart—Fine.....	15	50	1 75
Sandringham Dwarf.....	15	45	1 60
Perfection Hartwell.....	15	50	1 75
Giant White Solid.....	15	45	1 60
Boston Market.....	15	50	1 75
Crawford's Half Dwarf.....	15	50	1 75
Red Solid.....	15	40	1 50
Celeriac, Turnip-rooted.....	10	30	1 00

CHICORY.

Large Rooted.....	10	20	75
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CHERVIL.

Curled.....	10	30	1 00
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CORN SALAD.

Fetticus, or Lamb's Lettuce.....	10	20	60
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COLLARDS.

True Southern, or Georgia.....	10	30	90
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CRESS.

Curled (Pepper Grass).....	10	20	50
Water.....	30	90

CUCUMBERS.

Livingston's New Evergreen (page 3).....Pkt. 10 cts.	25	75	2 50
Nichols' Medium Green.....	5	20	60
Early White Spine.....	5	20	60
Selected Extra Early White Spine (see page 8).....	10	30	1 00
Peerless White Spine.....	5	20	60
Green Prolific.....	5	20	60
Early Green Cluster.....	5	20	60
Early Russian.....	5	20	60
Improved Long Green.....	5	20	60
Early Frame.....	5	20	60
Boston Pickling.....	5	20	60
Gherkin, or Burr.....	10	30	1 00
Westerfield Chicago Pickle.....	5	20	60
Arlington White Spine.....	5	20	60
Giant Pera.....	10	35	1 25

ENGLISH FRAME OR FORCING VARIETIES.

Lord Kenyon's Favorite,	Duke of Edinburgh.
Telegraph,	Cuthill's Black Spine.
Price of either sort, 25c. pkt.	

EGG PLANT.

Livingston's Mammoth Purple—Very select.....	50	1 50	5 50
Select New York Improved Purple.....	35	1 25	4 50
Black Pekin.....	30	1 10	4 00
Early Long Purple.....	20	60	2 00

ENDIVE.

Green Curled.....	15	40	1 50
White Curled.....	15	40	1 50
Ever White Curled.....	20	40	1 50
Broad Leaved Batavian.....	20	50	1 75

KALE.

New Dwarf, very early.....	15	50	1 60
Siberian.....	10	20	60
Dwarf Green Curled Scotch.....	10	20	70

KOHL RABI.

Large Green.....	15	50	1 50
Early Purple Vienna.....	15	50	1 75
Early White Vienna.....	15	50	1 75
Short Leaved Vienna.....	20	60	2 00

LEEK.

London Flag.....	10	30	90
Carentan or Scotch Champion.....	10	35	1 20
American Flag.....	10	30	90

LETTUCE.

	Oz.	¼lb.	Lb.
New Grand Rapids (extra time for forcing).....	25	75	2 75
Select Hanson	15	40	1 25
New York	15	35	1 25
Oak Leaved	15	35	1 25
White Seeded Tennis Ball	15	35	1 25
Black Seeded Tennis Ball	15	35	1 25
New Defiance—Choice	15	35	1 25
Tomhannock	15	35	1 25
The Deacon	15	35	1 25
New Silver Ball	15	40	1 50
Black Seeded Simpson—Select	15	40	1 25
Early Curled Simpson	15	35	1 25
All the Year Round	16	35	1 25
Early White Cabbage	15	35	1 25
Boston Market	15	40	1 25
New Perpetual	10	35	1 10
Gold Nugget	15	40	1 50
Black Seeded Butter	10	35	1 25
Early Curled Silesian	10	30	1 00
Stonehead	16	40	1 50
Salamander	15	35	1 25
Philadelphia Butter	15	40	1 25
Paris White Cos	10	30	1 00
Buttercup	15	40	1 25
Marblehead's Mammoth	15	40	1 50
Hubbard's Market	15	40	1 25

MELON—MUSK.

Livingston's Market—Novelty, 1891 (see page 2).....	25	75	2 50
Ward's Nectar—Excellent	10	20	70
New Osage or Miller's Cream	5 lbs., \$3.50	10	25 80
Emerald Gem	5 lbs., \$3.25	10	25 75
White Japan	10	20	60
Extra Early Green Nutmeg	10	20	65
Improved Orange Christiana	10	20	65
Champion Market	10	25	75
New Early Hackensack	5 lbs., \$2.75	10	20 60
Perfection (The Princess).....	10	20	65
Bird's Cantaloupe	10	25	75
Surprise—Choice	10	20	60
Large Green Nutmeg	10	20	65
Skillman's Fine Netted	10	20	60
Hackensack, True Stock	5 lbs., \$2.75	10	20 60
Casaba	10	20	60
Jenny Lind—Extra Early	10	20	60
Montreal Market	10	20	60
Bay View	5 lbs., \$2.75	10	20 60
Baltimore Nutmeg	5 lbs., \$2.75	10	20 60
Prolific Nutmeg	10	20	60
Chicago Market Nutmeg	10	20	70
Golden Netted Gem	5 lbs., \$2.75	10	20 60
Banana	10	25	75
Superb—New	50	...	...
Banquet—New	Pkt., 25 cts.; 5 for \$1.00	...	...
Delmonico	10	25	75

MELON—WATER.

Livingston's New Gragg	15	40	1 50
Seminole	5 lbs., \$3.00	10	20 75
Florida Favorite	5 lbs., \$2.50	10	20 60
The Volga (new)	10	20	65
Kob's Gem (choice) (see page 16).....	5 lbs., \$2.50	10	20 60
Christmas	10	25	75
Hungarian Honey	10	20	60
Gray Monarch or Long Icing	10	25	75
Green and Gold	10	25	75
Excelsior	10	20	60
Pride of Georgia	5 lbs., \$2.50	10	20 60
Black Spanish	10	20	50
Cuban Queen	5 lbs., \$2.50	10	20 60
Mammoth Iron Clad	5 lbs., \$2.50	10	20 60
Scaly Bark	10	20	65
Peerless	10	20	60
Improved Mountain Sweet	5 lbs., \$2.00	10	20 50
Phinney's Early	5 lbs., \$2.50	10	20 60
Vick's Early	5 lbs., \$2.50	10	20 60
Ice Cream (true).....	5 lbs., \$2.50	10	20 60
The Boss	10	20	60
Gypsy or Rattlesnake	10	20	60
Dark Icing	10	20	60
Icing, or Ice Ring	10	20	60
Green Citron Preserving	10	20	60
Colorado Preserving	10	20	65
Kentucky Wonder—new	10	30	1 00
Delaware—new	10	25	80
White Gem—new	15	50	...

MUSHROOM SPAWN.

English Milltrack.....	Per Brick, 15c; doz. bricks, \$1 20
French.....	2 lbs., 70c; 10 lbs., \$3 00

MUSTARD.

	Oz.	¼lb.	Lb.
White.....	5	10	30
Brown or Black.....	5	10	30

NASTURTIUM.

Tall.....	10	25	90
Dwarf.....	10	30	1 00

OKRA.

White Velvet (extra fine).....	10	20	65
Dwarf.....	10	20	55
Tall.....	10	20	55

ONION.

Please write for Prices on Large Lots.

Extra Early Red, Flat	10 lbs., \$12.50,	15	40	1 40
Large Red Wethersfield	10 lbs., \$12.50,	15	40	1 40
Extra Early Red Globe	10 lbs., \$15.00,	15	45	1 75
Yellow Danvers, Round	10 lbs., \$10.00,	10	30	1 15
Yellow Danvers, Globe	10 lbs., \$11.00,	15	35	1 25
Yellow Dutch, or Strasburg	10 lbs., \$10.00,	10	30	1 15
Southport Large Red Globe		15	45	1 60
Southport Large Yellow Globe		15	45	1 60
Southport Large White Globe		20	60	2 00
White Portugal, or Silver Skin		20	60	2 00

ITALIAN VARIETIES.

New Golden Queen	20	50	1 75
Hard Round Silver Skin	20	50	1 75
Giant Red Rocca	15	40	1 40
Spanish King, or Prizetaker	30	80	3 00
Mammoth Silver King	20	60	2 25
Earliest White Queen	20	60	2 00
New White Bunch	20	50	1 75
New Mammoth Pompeii	20	50	1 75
Giant White Rocca	15	45	1 60
Giant Yellow Rocca	15	40	1 40
Giant White Tripoli	15	40	1 50
Extra Early Barletta White (see page 14).....	20	60	2 25

PARSNIP.

Long White Sugar.....	5	15	40
Selected Hollow Crown (see page 15).....	5	15	50
Maltese.....	5	15	40

PARSLEY.

Extra Curled Emerald	10	25	70
Plain, or Single.....	5	15	50
Fine Double Curled.....	5	20	60
Champion Moss Curled	10	25	75
Fern Leaved.....	10	25	70
Hamburg, or Turnip Rooted.....	10	25	70

PEPPER.

New Celestial	35	90	3 50
Coral Gem Bouquet	35	90	3 50
New Red Cluster , fine for Pot Herbs.....	25	85	3 00
Mammoth Ruby King , very choice.....	25	75	2 50
Sweet Mountain	15	50	1 75
Bull Nose, or Large Bell	15	50	1 75
Red Squash	20	70	2 50
Golden Dwarf	20	65	2 25
Long Red Cayenne	20	65	2 25
Small Cayenne	20	65	2 25
Red Chili	25	80	3 00
Red Cherry	20	70	2 50
Oxheart (new).....	20	70	2 50
Sweet Spanish	20	70	2 50

PUMPKIN.

Connecticut Yellow Field.....	...	10	25
Small Sugar	10	20	60
Large Cheese, or Sweet	5	15	40
Mammoth Tours	10	25	90
Tennessee Sweet Potato , fine.....	10	25	80
Japanese Pie	10	30	1 00
New Golden Oblong	10	20	75

POTATOES.

Our barrels contain 2½ bushels. Prices subject to market changes. We deliver all Potatoes into the hands of transportation companies carefully packed; after that our responsibility ceases. Purchasers must take all risk from freezing or heating. In comparing our prices on Potatoes, remember that we make no charge for barrels or cartage, but deliver F. O. B. Columbus, at prices quoted.

	Pk.	Bu.	Barrel.
New Seneca Beauty (see page 7).....	75	2 50	6 00
Early Standard	50	1 75	4 00
Extra Early Ohio , the very best for Market Gardeners' first planting.....	50	1 85	4 50
Early Beauty of Hebron	50	1 75	4 00
Early Puritan , or Polaris	50	1 85	4 50
Superior (Coy's Seedling No. 88).....	65	2 00	5 00
Empire State	50	1 75	4 00
Clark's No. 1	50	1 85	4 50
Green Mountain	50	1 75	4 00
Early Sunrise	50	1 75	4 00
Bliss Triumph or Improved Bermuda	65	2 00	5 00
Rural New Yorker , No. 2.....	75	2 25	5 50

We can usually supply many other kinds not here mentioned. Write for prices, naming kinds wanted.

RADISH.

	Oz.	¼ lb.	Lb.
Livingston's New Pearl Forcing (see page 3).....	40	1 50	.....
New White "Box" Forcing (see page 11).....	10	20	60
New Fire Ball —excellent.....	10	20	70
Chartier Summer Turnip	10	20	55
New Rosy Gem	10	20	65
New Chartiers —choicest stock (see page 11).....	10	20	50
Scarlet Globe Forcing (see page 11).....	10	20	60
Wood's Early Frame —True.....	10	20	45
Long Scarlet Short Top	10	20	40
Ex. Early Scarlet Turnip	10	20	45
Scarlet Olive Shaped	10	20	45
French Breakfast	10	20	45
Yellow Summer Turnip	10	20	45
Newcom —new.....	10	20	60
Golden Globe	10	20	50
White Strasburg —very valuable.....	10	20	50
Early Round Dark Red	10	20	50
Gray Summer Turnip	10	20	50
White Tipped Scarlet Turnip	10	20	50
Early White Turnip	10	20	45
Long White Naples	10	20	50
Giant White Stuttgart	10	20	50
White Lady Finger	10	20	65
Dayton White Summer	10	20	60
China Rose Winter	10	20	65
Long Black Spanish	10	20	60
Long White Spanish	10	20	60
Round Black Spanish	10	20	60
California Mammoth	10	20	65

SQUASH.

Livingston's New Pie (see page 2).....	.....	.....	.....
Fordhook	20	60	2 00
Mammoth White Scallop	10	25	75
Giant Summer Crookneck (see page 8).....	10	30	1 00
Summer Crookneck	5	15	50
Long Green Summer Crookneck	10	30	1 00
Colvin's Orange Marrow	10	30	1 00
White Bush Scallop	5	15	50
New White Pineapple	10	20	60
Golden Custard —new.....	10	30	1 00
Hubbard	10	20	60
Livingston's Imp. Cushaw —very fine.....	10	25	90
Boston Marrow	5	15	50
Sibley , or Pike's Peak	10	20	65
Essex Hybrid	10	20	60
Mammoth Chili	10	30	1 00
Winter Crookneck	10	20	60
Marblehead	10	20	60
Perfect Gem	10	20	65
Cocoanut	10	20	60
Brazil Sugar	10	25	75
Bay State	10	25	65
Egg Plant	10	30	1 00
Vegetable Marrow	10	30	1 00

RHUBARB.

	Oz.	¼ lb.	Lb.
Victoria	10	35	1 00
Linneaus	10	30	1 00

SPINACH.

	10 lbs.	Bus.	Oz.	¼ lb.	Lb.
Norfolk Savoy	1 80	6 00	...	...	25
Round Leaf	1 80	6 00	...	...	25
Prickly Seeded	1 80	6 00	...	...	25
Virflay Thick Leaf	2 00	6 50	...	...	30
Long Standing	2 00	6 50	...	...	30
New Zealand	6 00	...	...	20	75

SALSIFY.

Mammoth Sandwich Island	15	35	1 25
Long White	10	30	1 00
Scorzoneria—Black	15	40	1 50

TOMATO.

Livingston's New Stone (see page 1).....	...	...	.....
Livingston's Potato Leaf	25	75	2 75
Livingston's New Beauty (see page 12).....	25	75	2 75
Livingston's Paragon (see page 12).....	20	70	2 50
Livingston's Acme (see page 12).....	20	60	2 25
Livingston's Favorite (see page 12).....	20	70	2 50
Livingston's Perfection (see page 12).....	20	70	2 50
Livingston's Golden Queen	25	90	2 75
New Purple Peach	25	90	3 00
New Yellow Peach Per pkt., 10c.; 3 pkts., 25c.	50	...	.....
Dwarf Champion	20	70	2 50
Canada Victor	20	60	2 00
Hathway's Excelsior	20	60	2 00
Trophy —choice selection.....	20	65	2 25
Conqueror	20	60	2 00
Essex Hybrid	20	60	2 00
Mayflower	20	60	2 00
Cardinal	20	60	2 00
Table Queen —new.....	50	1 75	.....
The Queen (Paragon).....	20	65	2 25
Ignout —new.....	25	90	3 00
Atlantic Prize	30	1 00	3 00
Optimus	20	65	2 25
Plum Shape Yellow	20	70	2 50
Turner's Hybrid or Mikado	20	70	2 50
Extra Early Advance	20	70	2 50
Volunteer	20	60	2 00
Lorillard —new.....	20	65	2 25
Red Currant	50	...	.....
Red Cherry	25	70	.....
Yellow Cherry	25	70	.....
Yellow Husk	50	...	.....
Purple Husk	50	...	.....

TURNIP.

Extra Early Purple Top Milan	10	20	70
Purple Top Strap Leaf	5	15	35
Purple Top White Globe —very valuable.....	5	15	40
White Top Strap Leaf	5	15	40
White Flat Dutch	5	15	35
Amber Globe	5	15	40
Large White Globe	5	15	40
White Egg	5	15	50
Sweet German	5	15	50
Seven Top	5	15	50

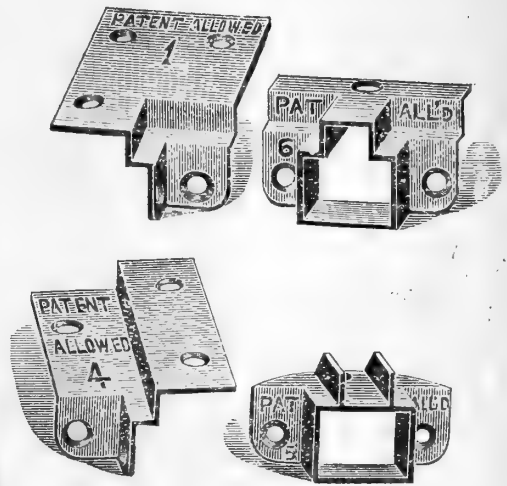
RUTA BAGA.

Imp. American Yellow	5	15	40
White Sweet Russian	5	15	50

Pot, Sweet and Medicinal Herbs.

	Pkt.	Oz.		Pkt.	Oz.
Anise	5	10	Lavender	5	20
Balsam Apple	5	40	Rosemary	5	40
Balm	5	35	Rue	5	50
Basil Sweet	5	20	Sweet Marjoram	5	25
Borage	5	20	Saffron	5	15
Caraway	5	10	Sage	5	20
Coriander	5	10	Savory, Summer	5	15
Dill	5	15	Savory, Winter	5	15
Fennel Sweet	5	15	Thyme	5	50
Hoarhound	5	40	Wormwood	5	40

GARDENERS' =SASH.=



Manufactured Expressly for

A. W. LIVINGSTON'S SONS,

IMPORTERS, GROWERS AND DEALERS IN

GARDEN SEEDS,

143 North High Street,

COLUMBUS, OHIO, U. S. A.

The advantages of this sash over THE BEST mortised sash, are as follows :

1. It is stronger and no heavier than mortised sash. All the joints are protected from water, making it more durable.
 2. The malleable castings protect and strengthen the parts that are weakest in mortised sash.
 3. There are no mortises or tenons to admit water into the interior of the wood or to weaken it.
 4. The metal sockets receive the whole ends of the muntins, thus securing their full strength and relieving the corners of the strain which they would otherwise have.
 5. Any piece of wood in the frame can be removed and replaced without removing more glass than lies upon it, or without taking the frame apart.
 6. When the wood gives out the castings on the frame can be used in making new sash.
-

BUT REMEMBER

That the **GARDENERS' SASH** are made of **CLEAR CYPRESS LUMBER ONLY, WHICH DOES NOT ROT.**

That the first time you attempt to repair the mortised sash they are more expensive than the Gardeners' Sash.

That as soon as mortised sash become weak in the joints, they break glass when handled.

That when glazed, the Gardeners' Sash has not cost you 10 per cent. more than any other good mortised sash, and that it will last twice as long, and that after the wood gives out your grand-children can use the old castings in making new sash.

GREEN HOUSES.

By the use of the metallic sockets the gaining and fitting of rafters to ridge plates and eave plates is avoided and all the water kept out of the joints at both ends. All the drip following the rafter, falls before reaching the plate.

We furnish rafters, ridge plates and eave plates in **clear cypress** in regular styles or according to special designs and at reasonable prices.

PRICE LIST.

(In ordering sash be careful to state which of the following styles you want.)

4—0x6—0 sash, 4 rows glass, (unglazed) per dozen pieces,	\$19.00
4—0x6—0 “ 5 “ “ “ “	20.00
3—0x6—0 “ 3 “ “ “ “	17.50
Green House rafter sockets, per pair, - - - -	12½c
Hot Bed sash castings, per dozen sets, - - - -	7.50

Special prices for sash in bundles not put together.

A smaller number than a dozen at same rate.

Send Money by Post Office or Express Money Order, Registered Letter or New York or Cincinnati Exchange.

Gardeners having a number of beds and who have both large and small sash, almost invariably prefer the larger size as they require less labor in handling. Moreover, there is a difference of 15 per cent. in price in favor of the large sash, only three being required to cover a 6—0x12—0 bed, while it takes four of the smaller size.

TESTIMONIALS.

OHIO HORT. SOCIETY,
ZANESVILLE, O., Dec. 11, 1890.

The Gardeners' Sash seems to have decided advantages in the way of durability and permanence, and if afforded at about the price of the best mortised sash, ought to be tried and come into general use.

Committee: { G. W. TROWBRIDGE.
LEO WELIZ.
NELSON COX.

DELAWARE, O., Dec. 11, 1890.

I have examined the Gardeners' Sash and think it a practical and useful invention, having improvements over any other sash I have seen. It seems to strengthen the parts that are usually weak. GEO. W. CAMPBELL,

President Ohio Hort. Society.

WATERTVILLE, O., Dec. 11, 1890.

Having examined the Gardeners' Sash, I feel satisfied that it is a valuable improvement and one which will commend itself to any one upon inspection. W. W. FARNSWORTH,
Secretary Ohio Hort. Society.

DAYTON, OHIO.

The Gardeners' Sash is the best made and the sockets for mullions cannot be excelled for the rafters of green houses. My indorsement cannot be made too strong. S. D. BEAR,
Treas. Ohio Hort. Society and Pres't Heikes Nursery Co.

DAYTON, O., Dec. 12, 1890.

DEAR SIR:—In answer to your inquiry as to what I think of the Gardeners' Sash, will say that I think it, principally on account of the metallic plate joints, the best and most durable sash frame now in use. N. OHMER,

Pres't Montgomery County Hort. Society.

COLUMBUS, OHIO.

After careful examination of the Gardeners' Sash, I am satisfied that it possesses many advantages over the common mortised sash, especially as to strength and durability.

W. J. GREEN,
Horticulturist and Vice-Director Ohio Experiment Station.

COLUMBUS, OHIO.

The rapid decay of green house and hot bed sash and the difficulty of repairing them has been a cause of great annoyance and expense to all who raise plants under glass. I have examined the Gardeners' Sash and am satisfied that it possesses the merits of strength, durability and ease of repair to a remarkable degree. I believe this sash is a thoroughly practical one and urge all who cultivate plants under glass to examine it and acquaint themselves with its good qualities.

WILLIAM R. LAZENBY,
Botanist Ohio State University.

WASHINGTON D. C., Dec. 13, 1890.

TO WHOM IT MAY CONCERN:

Having carefully examined the Gardeners' Sash, I take pleasure in stating that it is a valuable invention, making a cheap, strong and convenient sash for hot-beds, green-houses and other buildings. H. E. VAN DEMAN,
U. S. Pomologist.

COLUMBUS, O., Dec. 16, 1890.

We do not hesitate to predict that the Gardeners' Sash will come into general use by all florists, market gardeners and others, as they are superior in several essential points over the old style and because you have made the price no higher than for ordinary first-class sash, which will certainly consign the old style to a back seat.

Yours truly,

A. W. LIVINGSTON'S SONS,
Seedsman.

DAYTON, O., Nov., 1890.

We believe the Gardeners' Sash to be the best we have ever seen and that it will last longer, as there are no mortises or tenons to rot. Would be pleased to offer it to our trade.

F. W. RITTER & CO.,
Seedsman.

DAYTON, O., Nov., 1890.

Our experience with green-house sash, we think has been second to none in the country, and we believe the Gardeners' Sash the best we ever saw and will supplant the old styles entirely.

Respectfully,
DAYTON FLORAL CO.
W. G. Matthews, Prop'r.

SOLDIERS' HOME, DAYTON, O., Nov., 1890.

I am much pleased with the Sash, both for hot-beds and green-houses, and prefer it to the best mortised sash. I do not see how it can be improved.

CHAS. BECK,
Sup't of green houses and gardens.

DAYTON, O., Nov., 1890.

Just the thing for hot-beds.

JABEZ JOHNSON,
Proprietor Johnson's Green-Houses.

PAINESVILLE, O., Dec., 1890.

Having examined your hot-bed Sash of metal sockets and corners, I conclude that it is stronger and more durable than the ordinary made sash.

J. J. HARRISON,
Pres't The Storrs & Harrison Co.

DAYTON, O., Nov., 1890.

Report of the Montgomery Co. Hort. Society:

The Gardeners' Sash will save much money for the gardeners.

Committee: { A. SHIRER.
JOHN EWING.

The best thing in sash I ever saw and easily worth several dollars more per dozen than the best mortised sash. JOS. KUNTZ, Gardener,
Dayton, O.

I have plenty of sash, but I like this sash so well for its many advantages over other sash that I at once gave my order for one dozen. I wish all my sash were of this make.

JOHN SACKSTEDER, Gardener,
Dayton, O.

The sash has been indorsed by the following well known gardeners of Dayton, Ohio:

MARTIN HOLLER.
JOHN KELLER.
MART GLASER.
MARTIN NIGH.
HENRY CETANE.
J. PUTERBAUGH.
C. PERRY PUTERBAUGH.
ANTHONY CREPS.

AUGUST HORST.
CHAS. HOCHWALT.
CLEM. HOCHWALT.
FRED. HOCHWALT.
DAVID ROGERS.
JACOB KNECHT.
MORETZ MILLER.
JOHN HERBY, Sr.

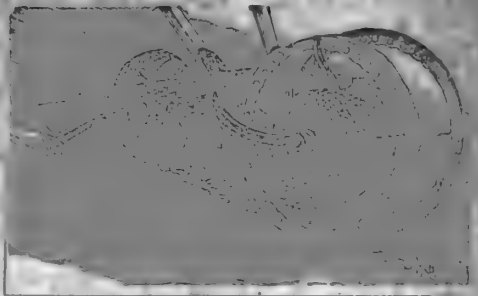
JOHN HERBY, JR.
CHAS. ALTHERER.
PETER ALTHER.
JACOB FROMM.
JOHN D. RIDER.
GEO. RIDER.
J. B. SHRECK.

"PLANET JR." GARDEN TOOLS.

The "PLANET JR." TOOLS are remarkable for their strength, durability, lightness and beauty, but their chief advantages are superior work in the field, easy adjustment, and adaptability to all kinds of work. They are now the most popular line of Gardeners' Tools manufactured.

THE "PLANET JR." No. 2 DRILL

Will carry 2½ quarts of seed. It is a seed sower of the most perfect construction, and the discharge can be set to any size, a half breadth at a time. It distributes without injury the softest seeds, and covers to an exact depth. It carries a good marker, can be wheeled from one row to another without wasting seed. It is noiseless, and can be set by hand or foot. It is made to order. Unquestionably the best Drill on the market. PRICE, \$7.00.



"PLANET JR." COMBINED DRILL, WHEEL HOE, CULTIVATOR AND PLOW.



This tool combines a complete Cultivator with a Seed Sower similar to No. 2 Drill above and is the most popular Combined Garden Tool known. Purchasers of this machine will find that it is

- An Excellent Seed Sower,
- A First-class Double-Wheel Hoe while plants are small,
- A First-class Single-Wheel Hoe,
- An Excellent Furrower,
- An Admirable Wheel Cultivator,
- A Capital Horse Rake,
- A Rapid and Efficient Wheel Garden Plow,

and that it is without an equal in variety of tools, easy adjustment, lightness, strength, and beauty, and as a practical everyday time and labor saver. PRICE, \$9.50.

"Planet Jr." Double Wheel Hoe.

This tool is an almost indispensable companion to the No. 2 Drill. It

HOES BOTH SIDES OF THE ROW AT ONCE,

at the speed of a moderate walk. It will enable one to cultivate double his usual acreage of hoed crops. Has a great variety of attachments, and all of those shown in the cut go with the machine at the very moderate

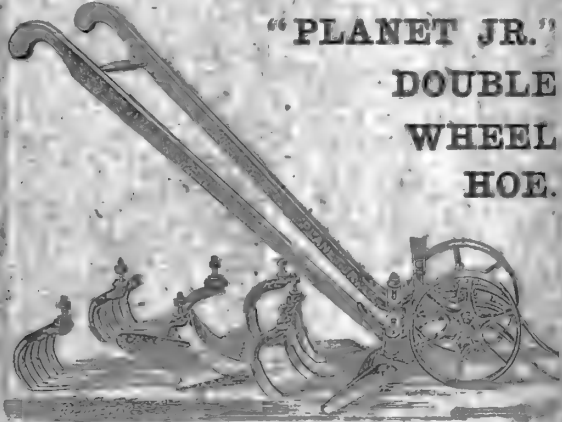
PRICE, \$6.00.

"Planet Jr." Single Wheel Hoe

Is considerably lighter than the Double, but capable of nearly the same variety of work. The attachments are nearly identical, although intended to work chiefly between the rows. By changing the wheel to one side, however, it works both sides of the row admirably while plants are small. A most valuable and useful combination.

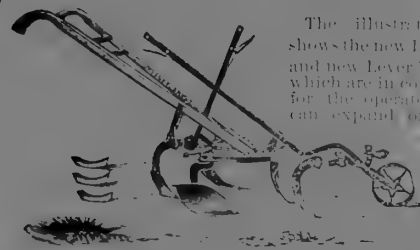
Price, \$4.75.

"PLANET JR." DOUBLE WHEEL HOE.



"PLANET JR."

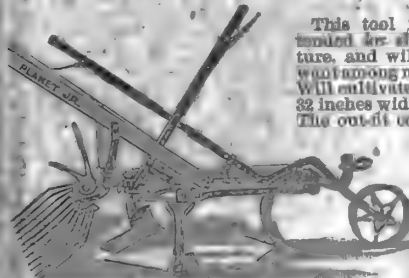
ALL-STEEL 1891 HORSE HOE.



The illustration herewith shows the new Lever Expander and new Lever Wheel, both of which are in convenient reach for the operator, so that he can expand or contract for wide or narrow rows, and raise or lower the wheel, thus controlling the depth of working.

PRICE, complete with New Lever Expander and New Wheel Lever, \$9.00.

"PLANET JR." Market Gardeners Horse Hoe and Pulverizer

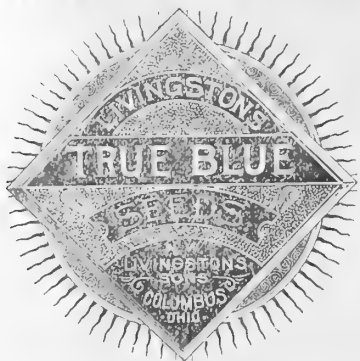


This tool is especially intended for shallow level culture, and will fill a loose soil with firming market gardeners. Will cultivate rows from 16 to 32 inches wide at one passage. The outfit consists of ready made hoe and 12-inch sweep and a 24-inch pulverizer, all mounted on a single axle. The hoe is made of heavy iron.

PRICE, without Pulverizer, \$7.50. Pulverizer, \$2.00 extra.

A PROFUSELY ILLUSTRATED CATALOGUE OF 32 PAGES, describing the various tools in full and giving many valuable hints in regard to cultivating hoed crops, will be mailed free on application to any of our correspondents. **DO NOT FAIL TO SEND FOR IT.**

ORDER SHEET FOR



Please be careful to WRITE YOUR ADDRESS PLAINLY and in full in the blanks below; also, keep your order separate from other matters you may wish to write about, this will enable us to fill the order more rapidly and correctly, and your inquiries will not be so apt to be overlooked. In ordering Flower Seeds, give the numbers only. FOR FULL INSTRUCTIONS ABOUT ORDERING SEE DIRECTIONS IN THE CATALOGUE.

A. W. LIVINGSTON'S SONS,

Forward to

COLUMBUS, OHIO.

Your Name

Amount Enclosed.

" Post Office

MONEY ORDER, \$

" County

N. Y. DRAFT, -

" State

STAMPS, - - -

POSTAL NOTE, -

Number of your P. O. Box

CASH, - - - -

No Goods C. O. D.

Give the name of your nearest Express Office, also state if it would be convenient to receive the Seeds by Express.

Your Express Office

Name of Express Company

Name of Rail Road

Date of this Order

1891.

Extra Order Sheets and Return Envelopes sent on application.

Do you Grow for Market or Home Use?

Bushels.	Quarts.	Pints.	Pounds.	Ounces.	Packets.
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NAMES OF SEEDS WANTED.

PRICE.

Dollars.	Cents.
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We always consider it a Special Favor to have Customers Speak a Good Word for Us.

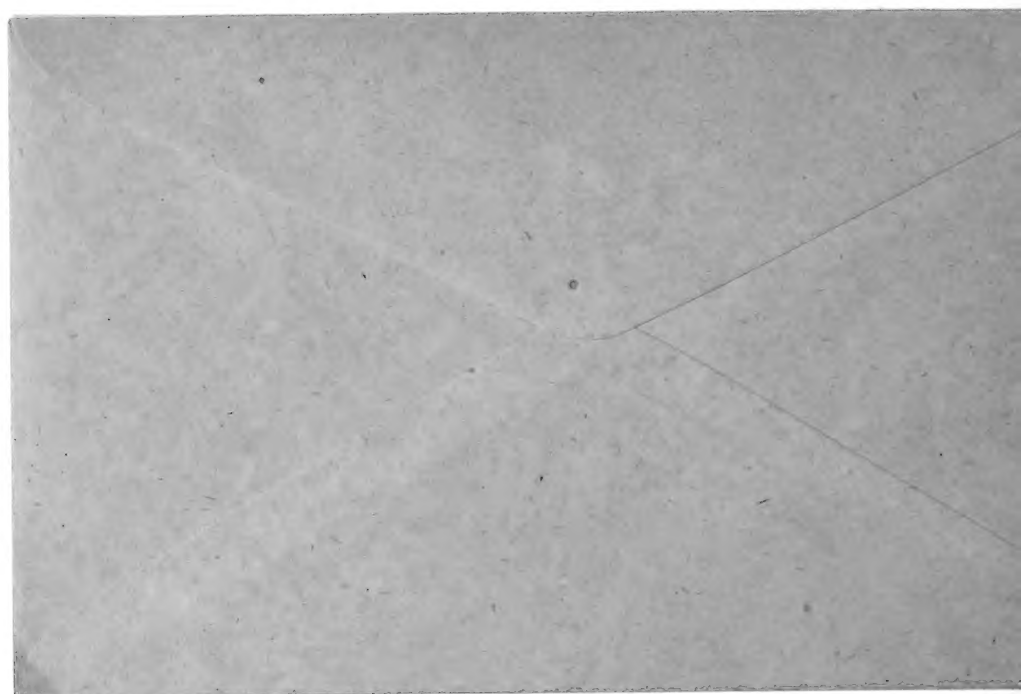


POSTAGE
2 CENTS

**A. W. LIVINGSTON'S SONS,
COLUMBUS,**

From

**OHIO,
U. S. A.**



after getting wet, and to some extent sheds rain. There is no Linseed Oil in the treatment of the cloth, and therefore, at no time it costs only one-tenth the price of glass sash; and as it is a waterproof fabric, it will, with care, last several seasons. Sample free, length as frame to be covered, sewed together at sides—this will make one strip six feet wide and two strips, each same pine seven feet long and one inch square, will make one strip across the cloth every four feet; the ends will then rest on the sides of the frame which will support the cloth. It is easily seen how quickly this can be rolled up, when not needed, and unrolled over the bed in case of a cold snap. We furnish this Cloth in one-yard widths, and in any number of yards desired, as follows:

Light, mostly used in Southern States for covering Tobacco plant beds, per piece of 40 yards, at 4½ cts. per yard; for any less quantity, 6 cts. per yard. Medium Grade, per piece of 40 yards, at 7 cts. per yard; for any less quantity, 10 cts. per yard. Heavy Grade, per piece of 40 yards, at 10 cts. per yard; for any less quantity, 12 cts. per yard. For general purpose the Medium Grade will be found most suitable.

This substance gives better satisfaction than anything else for tying plants, asparagus bunches, &c. &c. It is light, neat, strong, durable and very cheap. Per lb., 25 cts.; 10 lbs. at 20 cts.; 100 lbs., 15 cts. per lb.

The logo is an oval-shaped emblem. At the top, the text "HAMMOND'S SLUG-SHOT" is written in a bold, sans-serif font. Below this text, a large slug is depicted on the left, facing right. A cat is on the right, jumping towards the slug. Above the cat, the phrase "I SLAY BUGS" is written. The year "1880" appears on both the left and right sides of the oval. At the bottom, the text "INSECTICIDE & FERTILIZER" is written in a bold, sans-serif font.

Now poisonous, no danger need be apprehended by the person applying it, nor will it injure chickens or animals should they eat it, unless in large quantities. It does not render injurious the vegetables or fruits on which it is applied, and yet it is probably the best insect destroyer ever offered for the destruction of potato bugs and all worms and insects. It comes ready to be applied, and is simply dusted lightly on so that it reaches all parts of the plants. For further information send for our little book on Slug Shot. We have sold Slug Shot for years, and have many letters from different sections recommending it.

PRICES—In Barrels, holding 235 lbs., net, 3½ cents per lb.; 100 lbs., \$4.00; 50 lbs., \$2.25; 10 lbs., 50 cts.; By mail, postpaid, 1 lb., 30 cts.; 3½ lbs., \$1.00.

DUSTERS FOR SLUG SHOT OR OTHER POWDERS— $\frac{1}{2}$ gallon size, 30 cts.; Gallon size, 50 cts.

BELLOWS FOR SLUG SHOT OR OTHER POWDERS—Medium size, \$1.25; Large, \$2.00.

For the prevention and destruction of mildew on plants.
5 lb. Package, 35 cts.; Kegs of 100 lbs., \$5.00. By mail, postpaid,
\$0 cts. per lb.

HAMMOND'S THRIP JUICE—Per Gallon, \$1.00.

TOBACCO DUST—A sure remedy for green fly. Per lb., 5 cts.; per 100 lbs., \$3.00.

TOBACCO STEMS—For fumigating. In bales of about 250 lbs.
\$2.00; per bbl. \$1.00.

FLOUR OF SULPHUR—A preventive and cure for mildew. Lb., 6c.; 100 lbs. \$5.00.

HELLEBORE—Thoroughly effective. Per lb., 25 cts.

PERSIAN INSECT POWDER—For destroying roaches, ants and fleas. Per pound, 60 cents.

PURE PARIS GREEN—Strictly pure. 25 cts. per lb.; in 28 lb. kegs, 23 cts per lb.

WHALE OIL SOAP—Per lb., 10 cts.; per 100 lbs., \$7.50.

Is one of the best and most powerful stimulants to plants and growing crops. 20 lbs., \$1.00; 100 lbs., \$4.00. Ton price given on application.

Is well adapted for general fertilizing purposes. The sample we offer is of very fine quality and pure. For lawns, gardens and farms. 100 lbs., \$2.50; 200 lbs., \$4.00; ton, \$33.00.

It is a complete manure, and gives large increase of crops for a small outlay. You can buy cheaper grades, but they will not give the satisfactory returns. 250 lb. bbls., \$4.50; ton, \$30.00.

For early vegetable crops, especially where leaf growth is desired, it will produce wonderful results. As the market fluctuates, price is liable to change without notice. Write for price on large quantity. Price, now, \$4.00 per 100 lbs. Ton price on application.

Having frequent inquiries for this Celebrated Special Manure, we offer 200-pound bag, \$5.50.
Special price per ton on application.

A coarse article used largely for feeding poultry; also the best grade for preparing grape vine borders. 25 lbs., \$1.00; 100 lbs., \$3.00; ton, \$40.00.

Those who wish to increase their supply of eggs and keep poultry in a healthy condition, try this. It pays well. 10 lbs., 30 cts.; 100 lbs. \$2.50.

	BY EXPRESS.	
	EACH.	DOZEN.
Concave Potato Knife.....	\$ 25	\$ 2 50
Solid Shank Garden Trowel, 6-inch.....	40	4 25
Solid Shank Garden Trowel, 7-inch.....	50	5 25
New Bee Weeder—(For description see Retail Catalogue).....	15	1 25
Excelsior Weeder.....	20	2 00
Hazeltine ".....	20	2 00
Noyes' ".....	25	2 75
Gem ".....	20	2 25
Lang's ".....	25	2 50
Dibble ".....	40	4 00
Insect Bellows, small.....	1 00	10 00
Insect Bellows, large.....	1 25	12 50
Putty Bulb.....	1 00	10 00
Eureka Fumigator, (for house 10 x 20 feet).....	1 00	
" " (for house 12 x 40 feet).....	2 00	
" " (for house 15 x 100 feet).....	2 50	
" " (for house 20 x 100 feet).....	3 50	
Wotherspoon Watering Pot, (holds 2 gallons).....	2 00	
" " (holds 2½ ").....	2 25	
" " (holds 3 ").....	2 50	